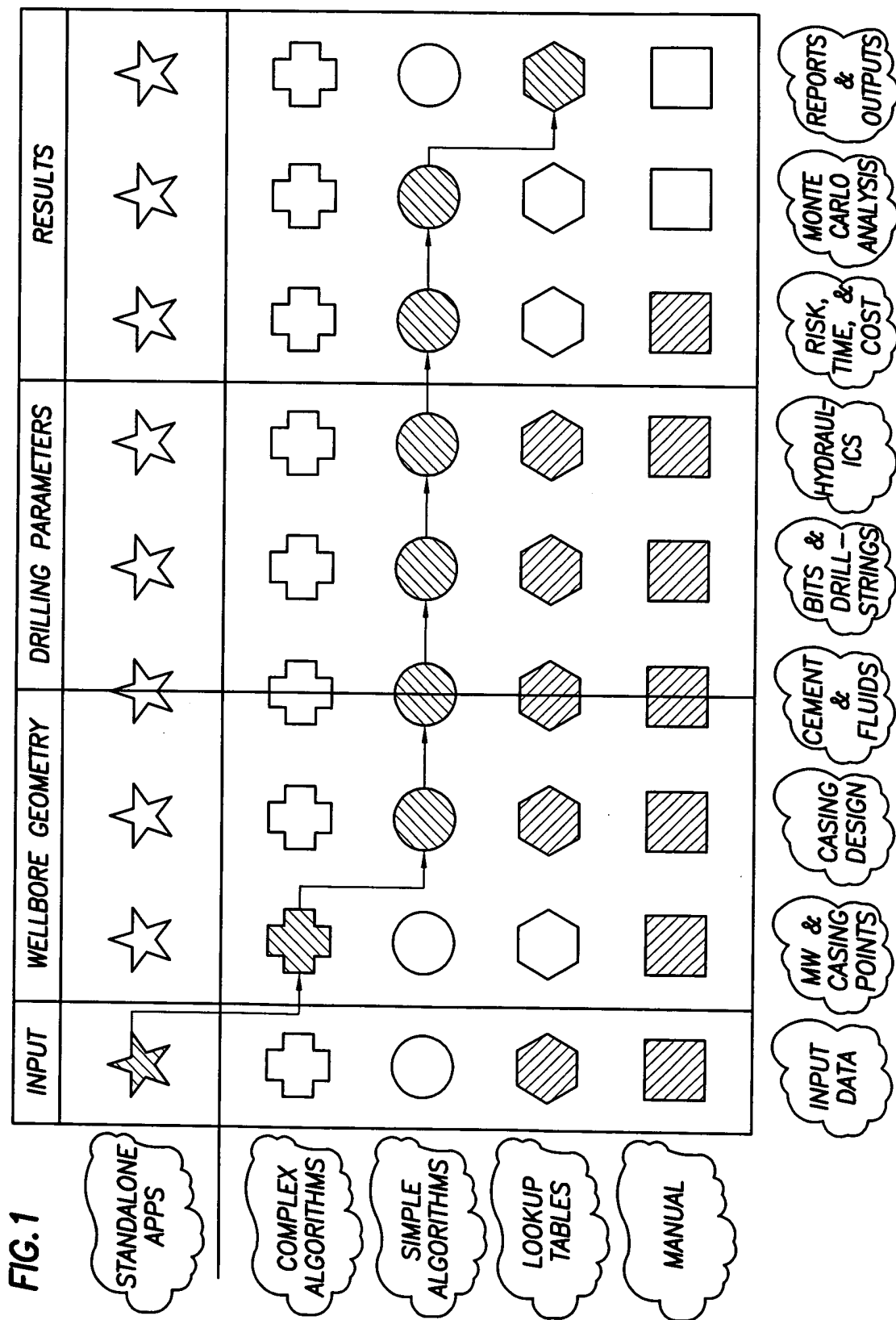


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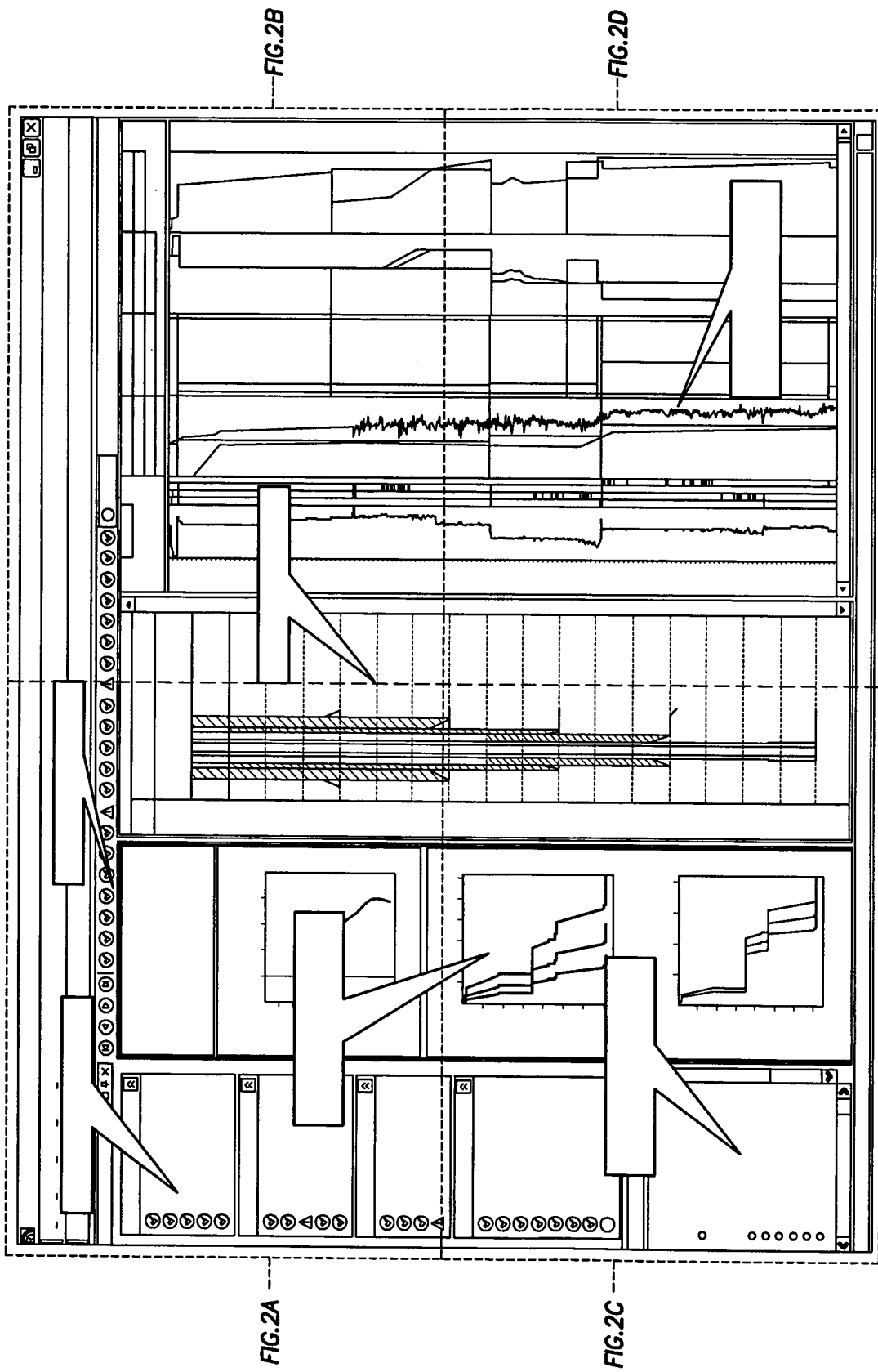


FIG. 2

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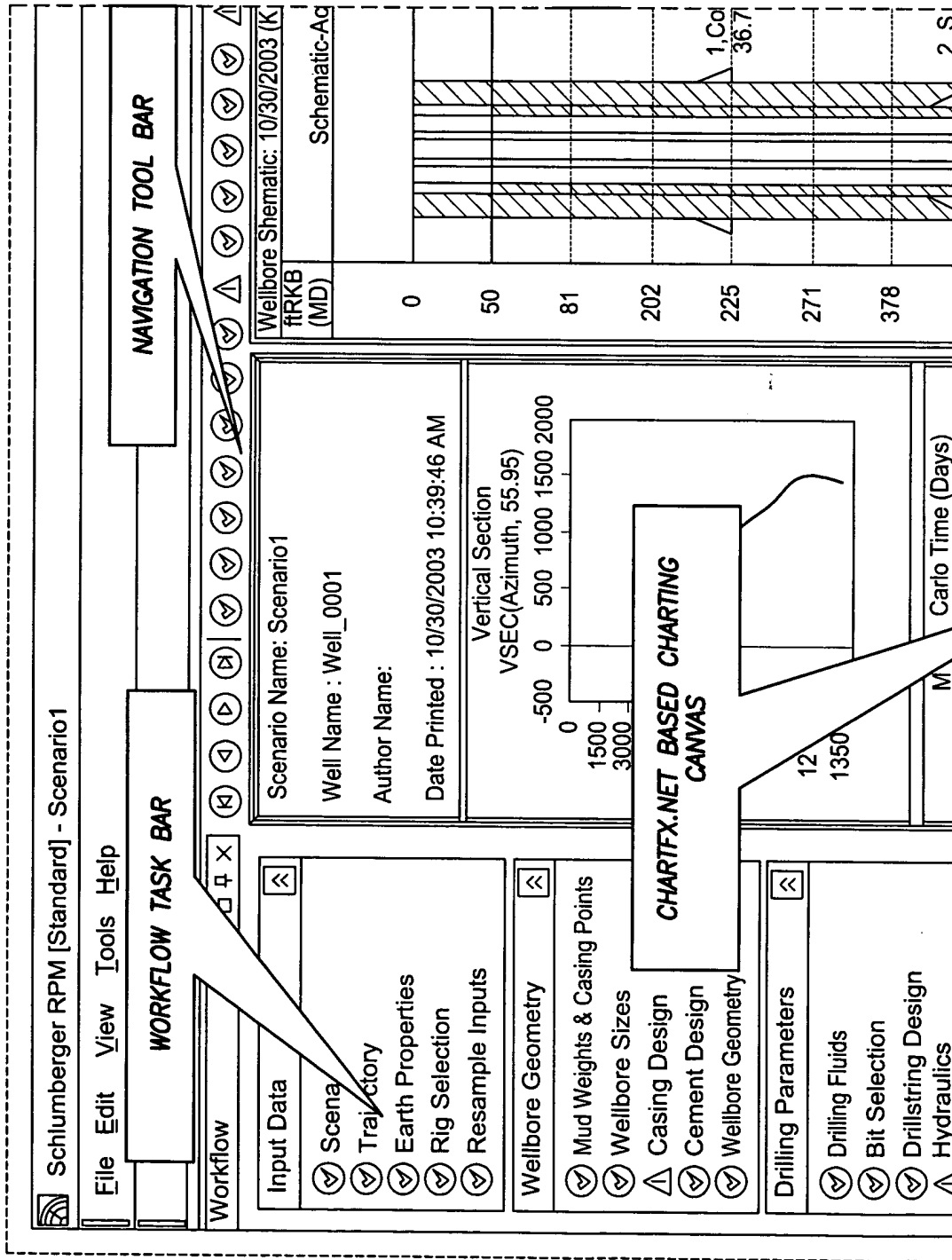


FIG.2A

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+

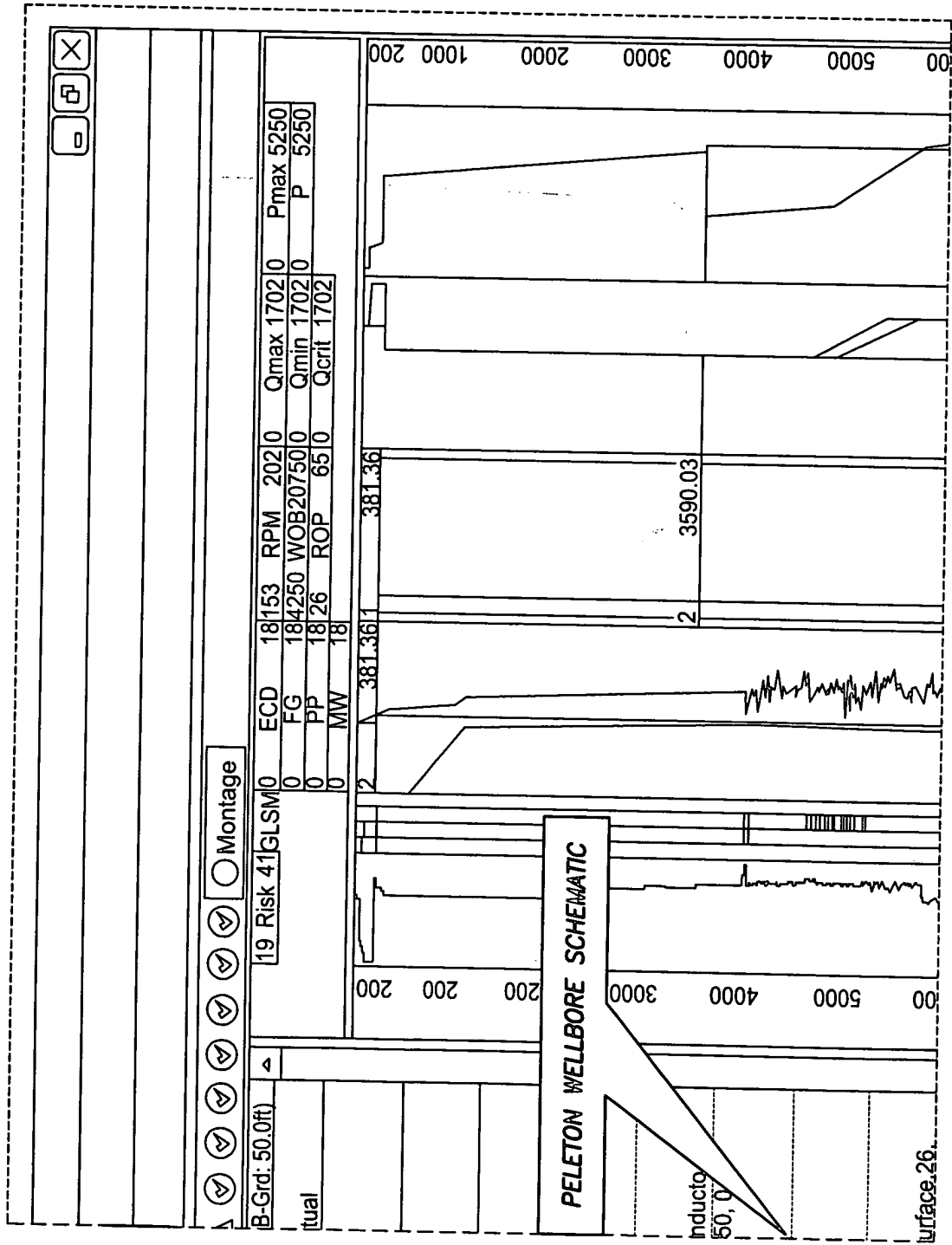


FIG.2B

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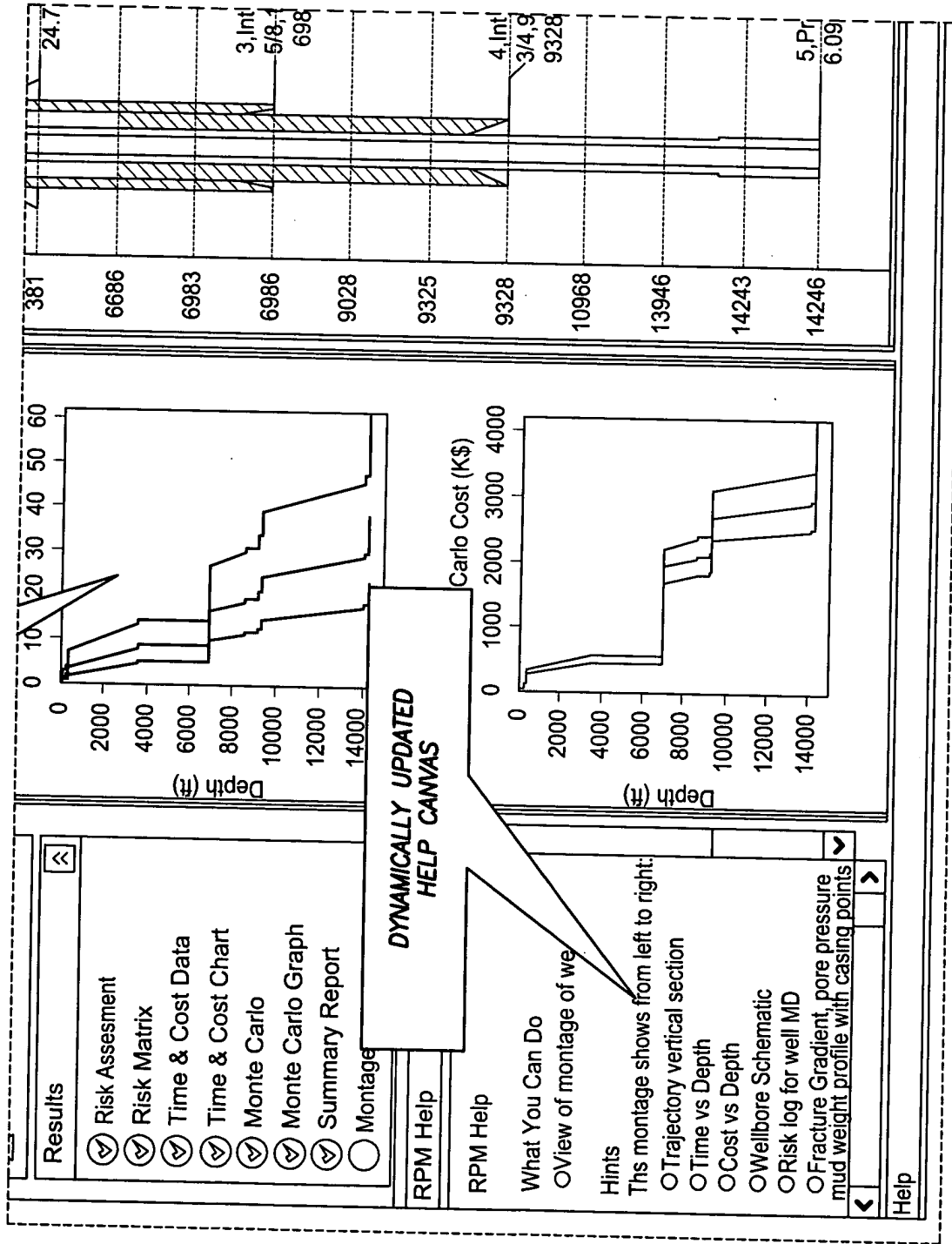


FIG.2C

+

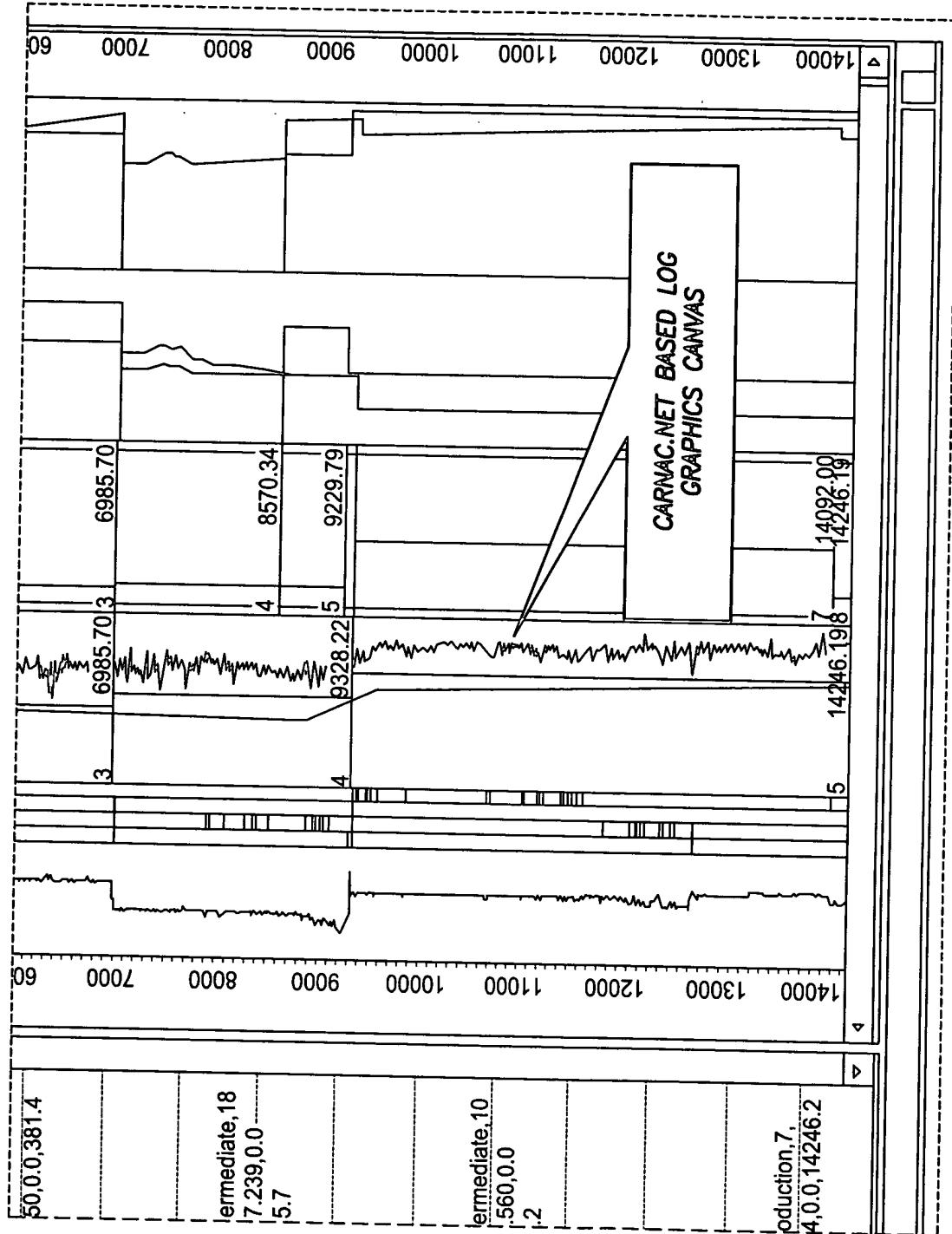


FIG.2D

+

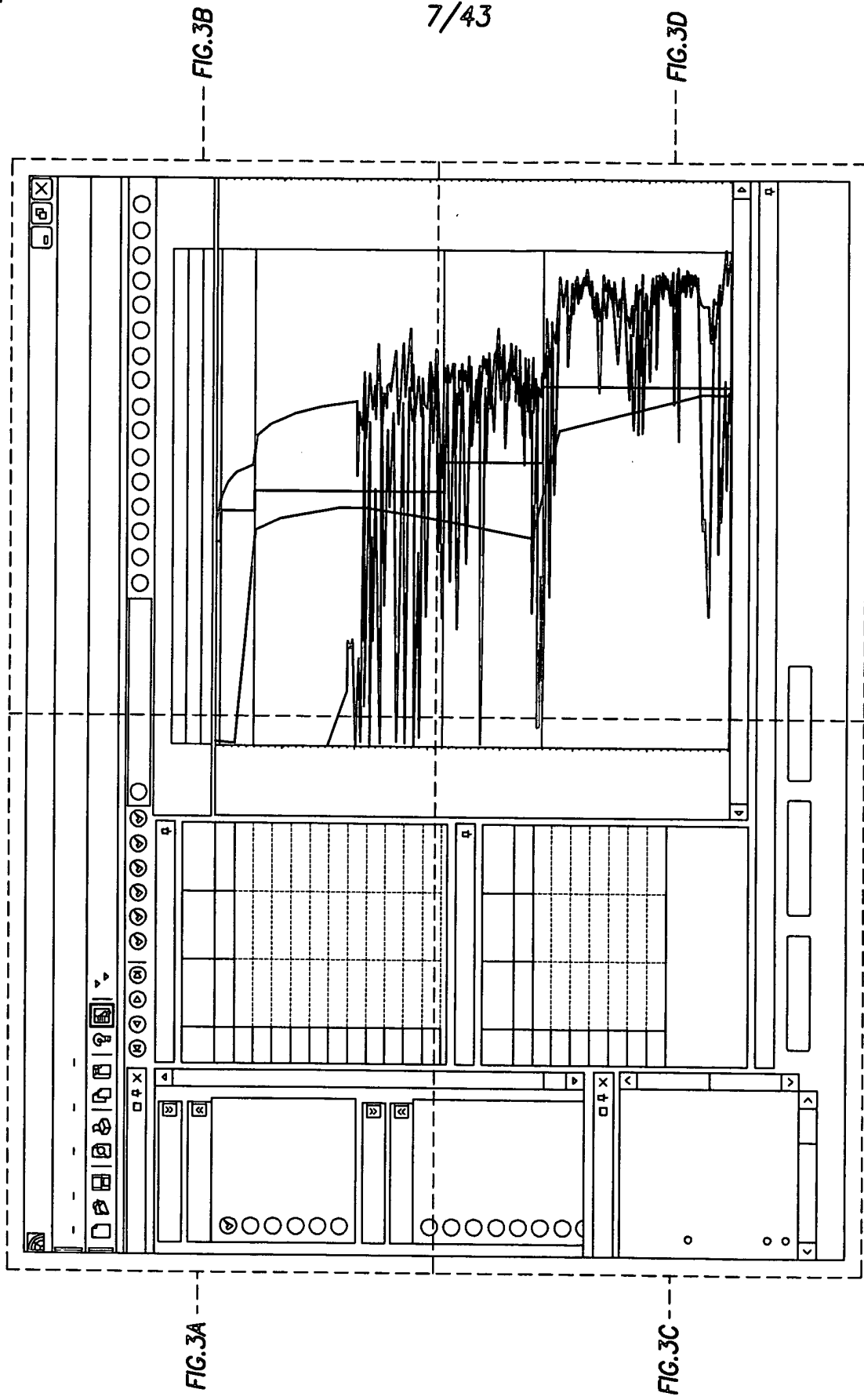


FIG. 3

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+

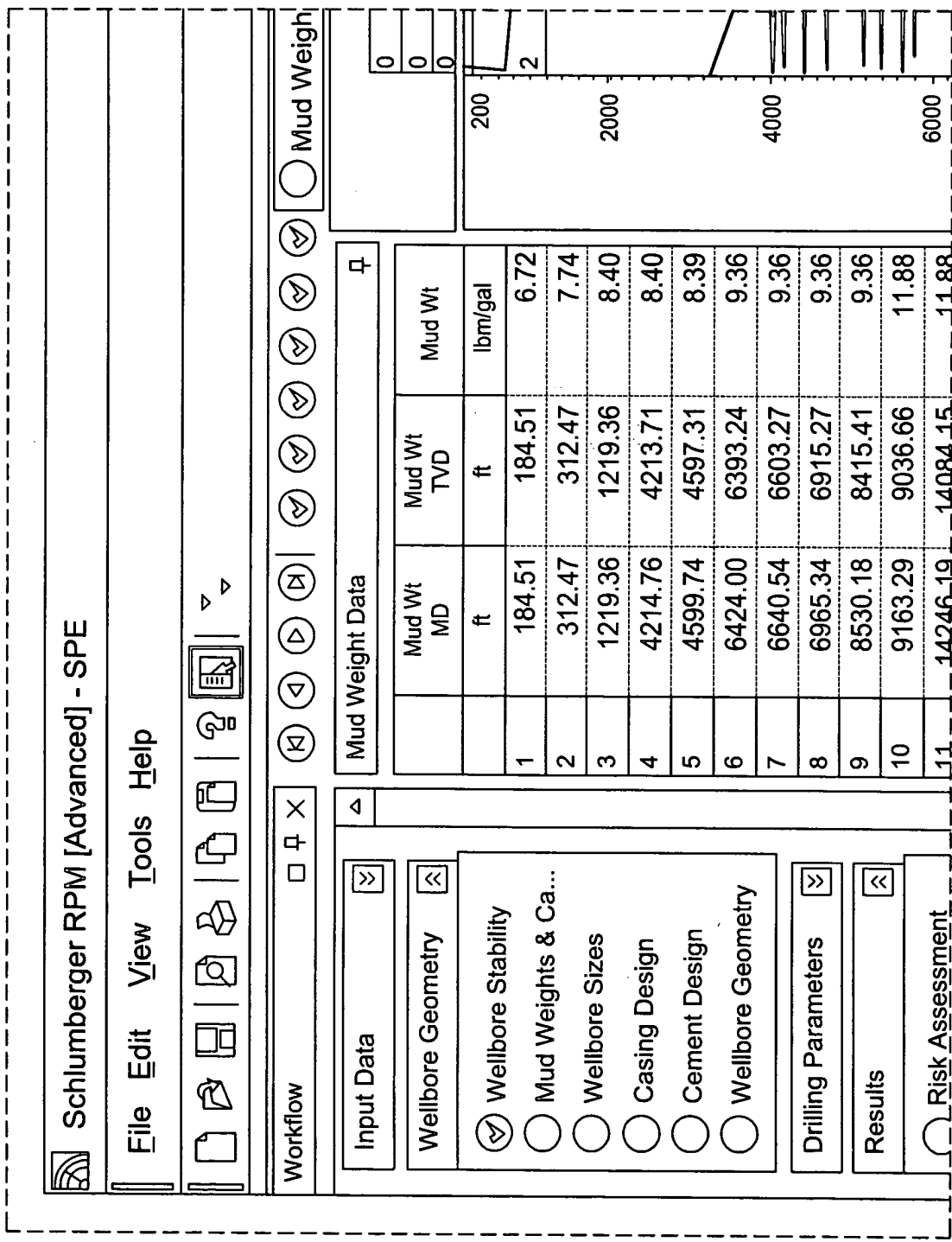


FIG. 3A

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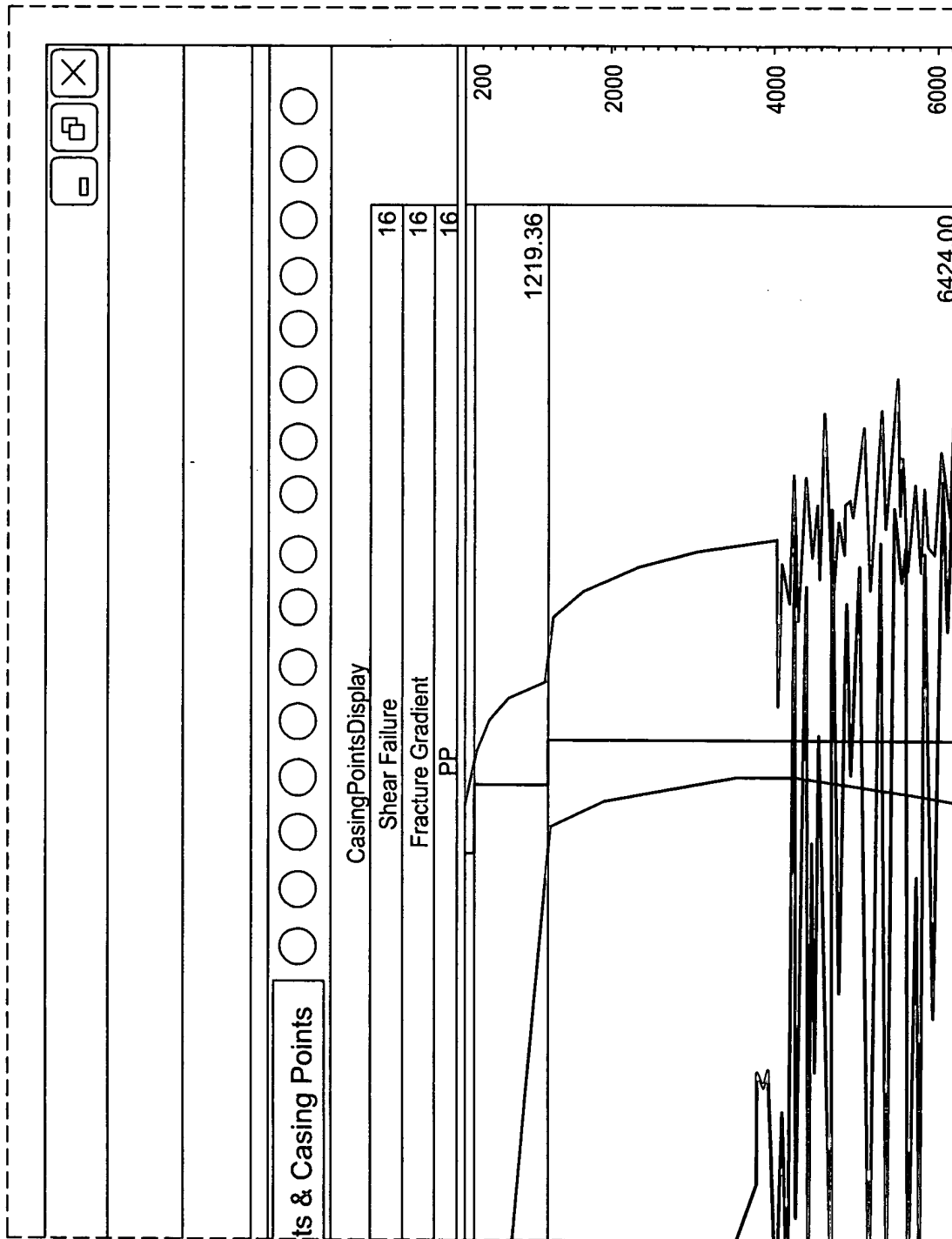


FIG.3B

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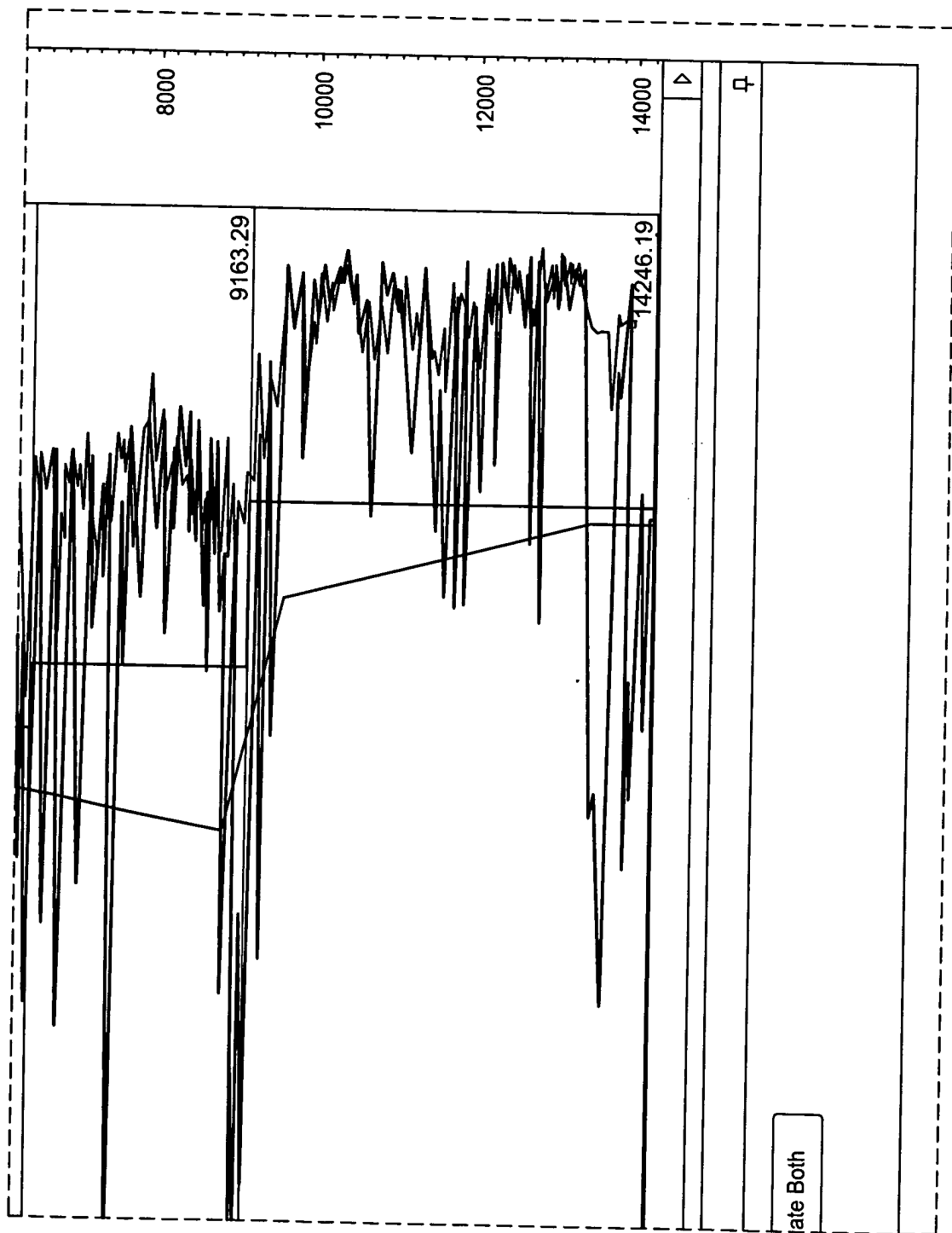


FIG.3D

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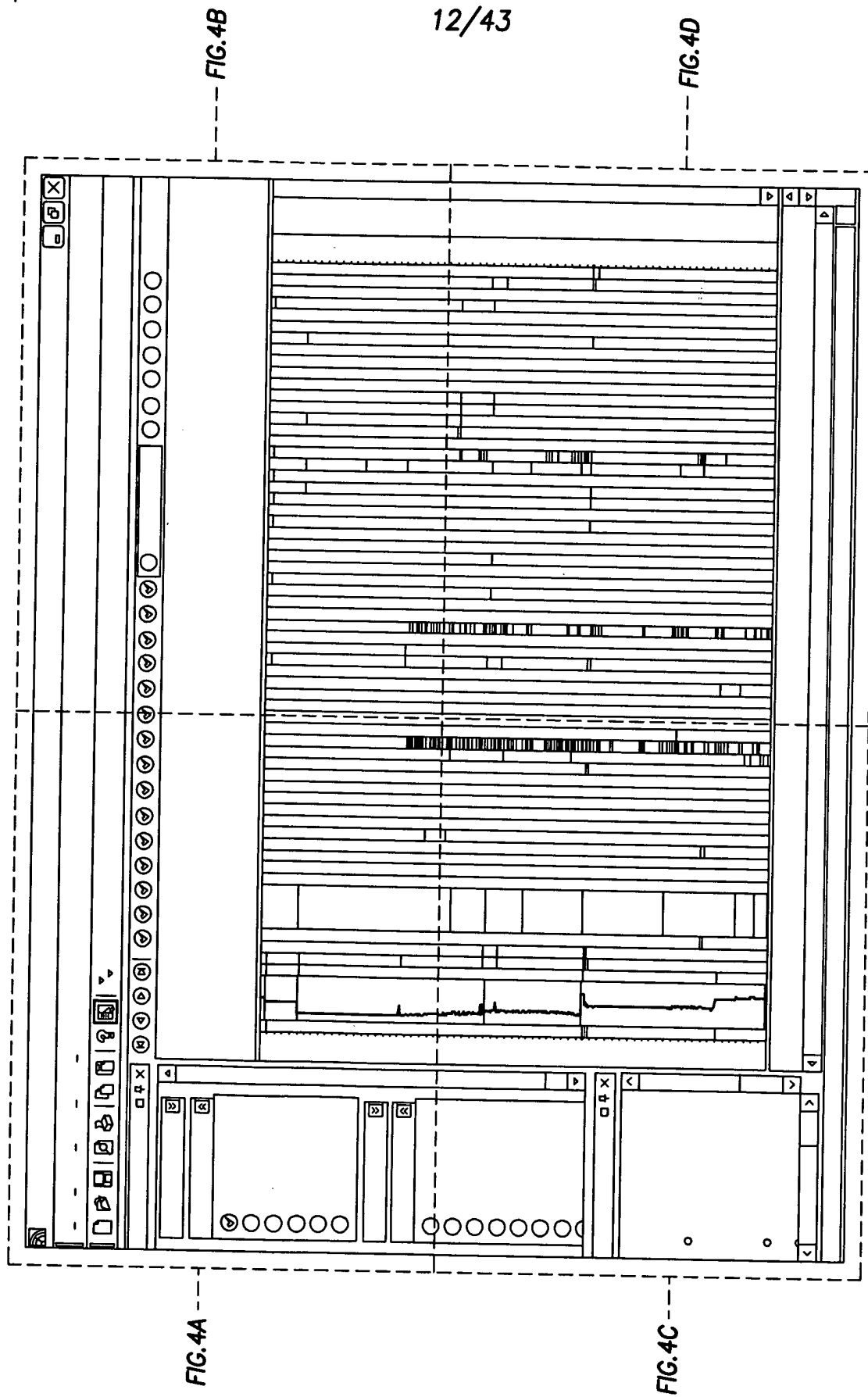


FIG. 4

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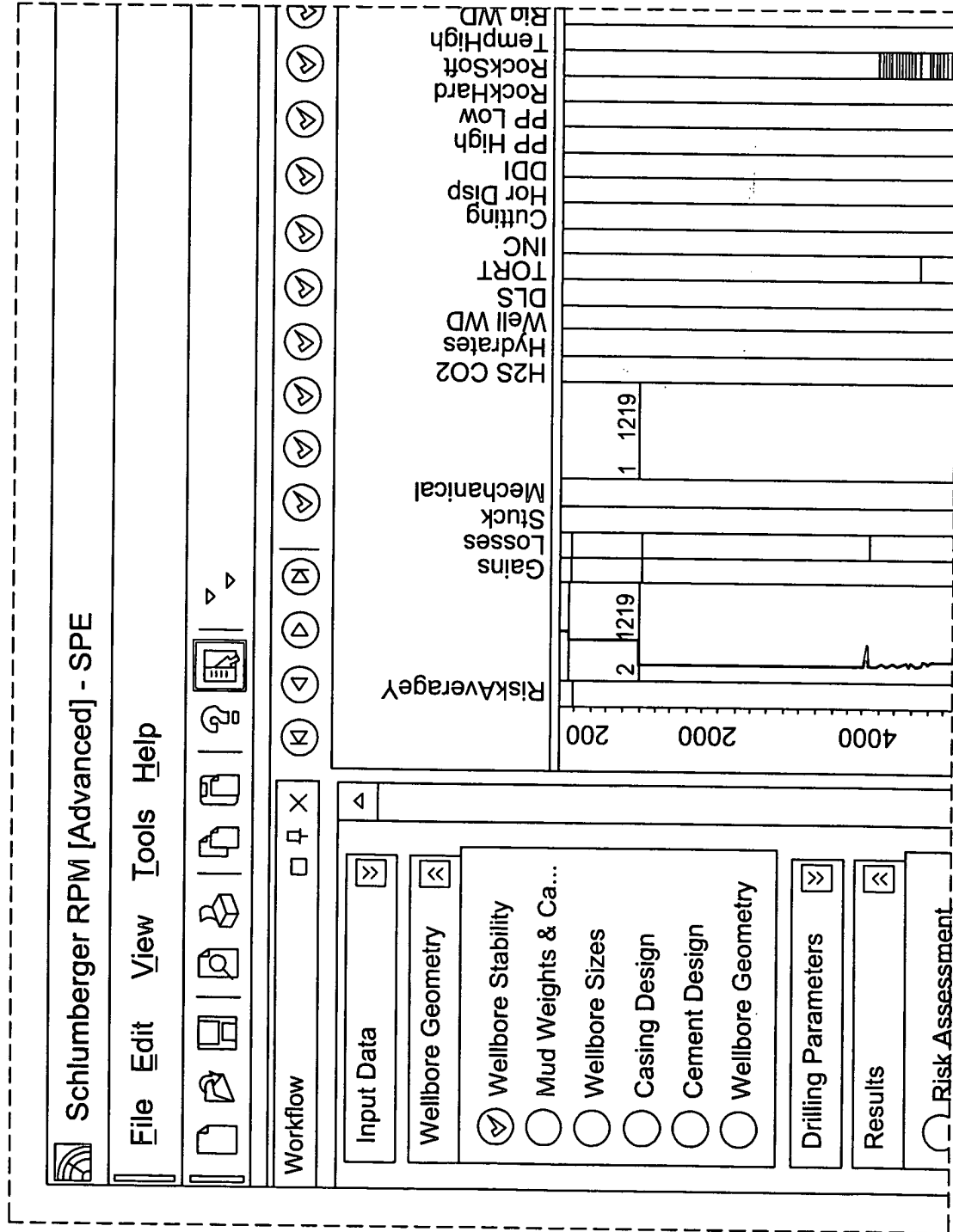


FIG. 4A

+

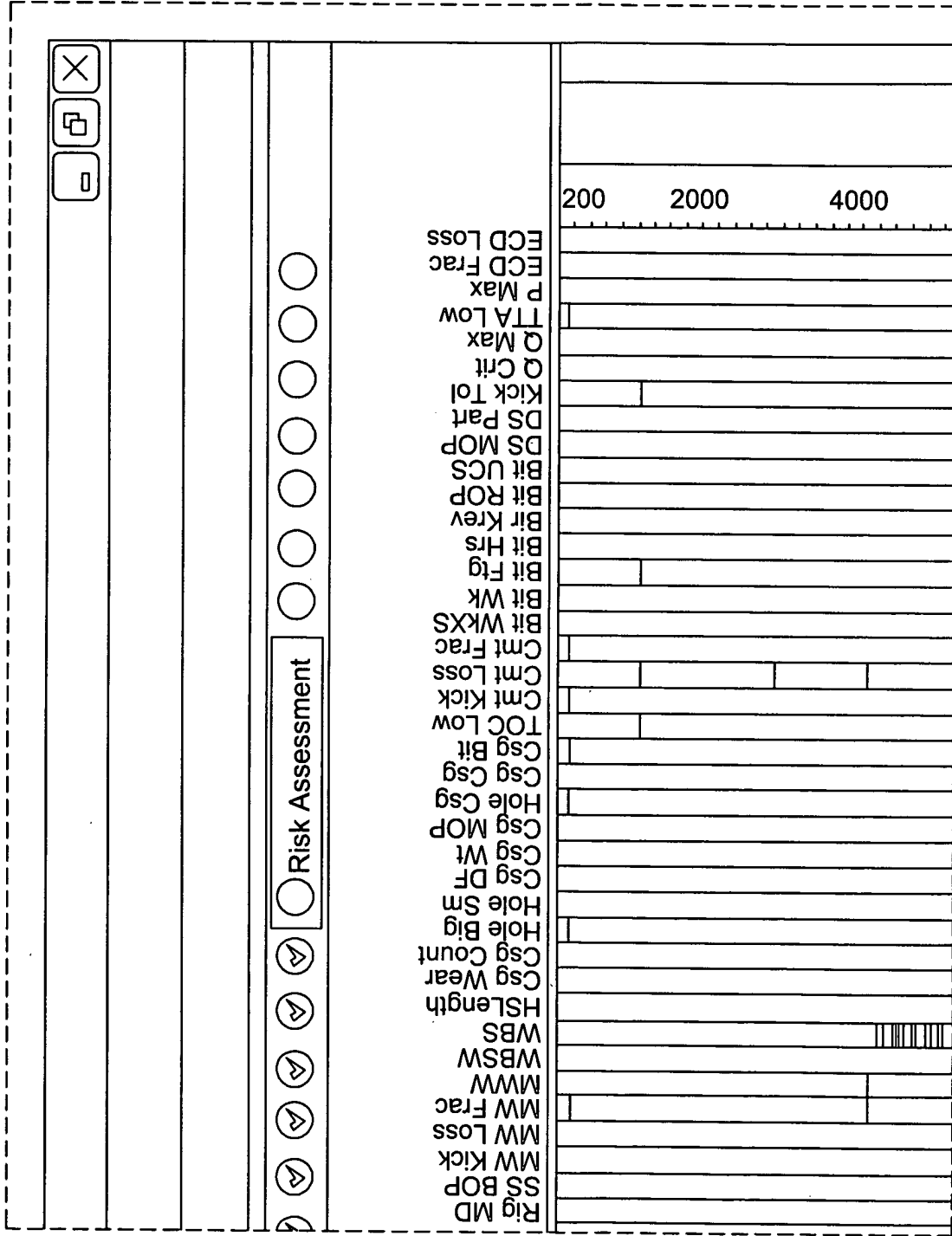


FIG. 4B

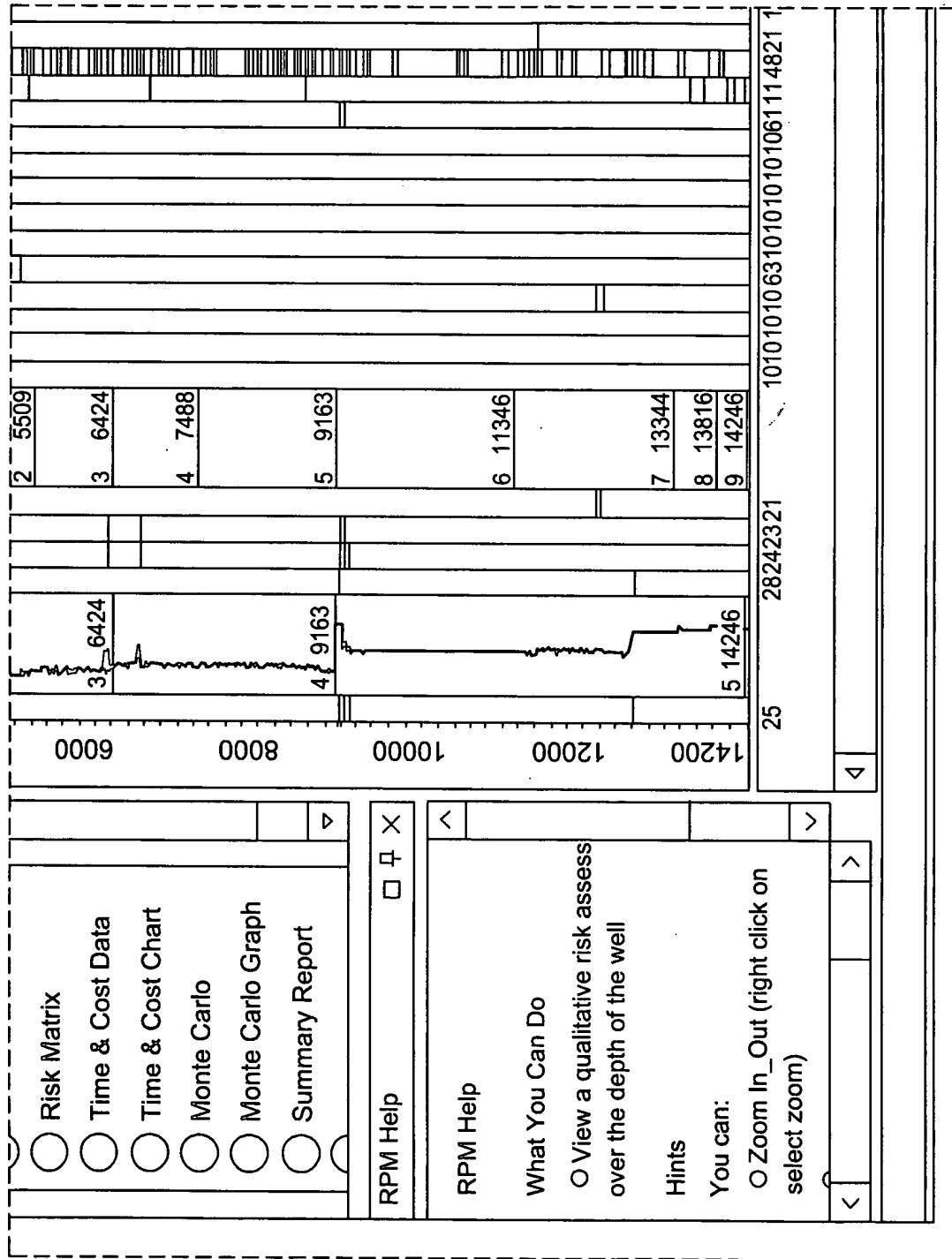


FIG. 4C

+

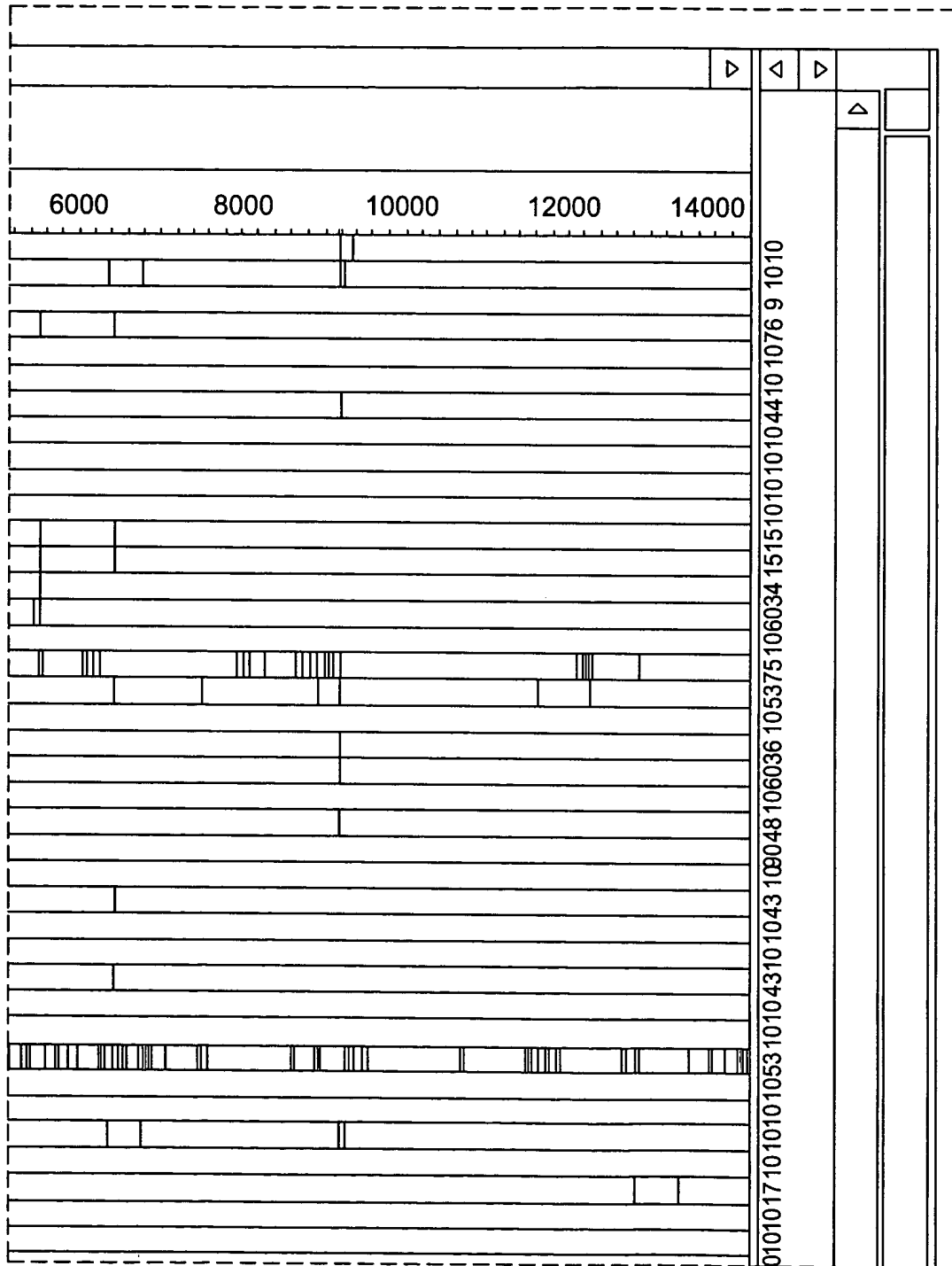
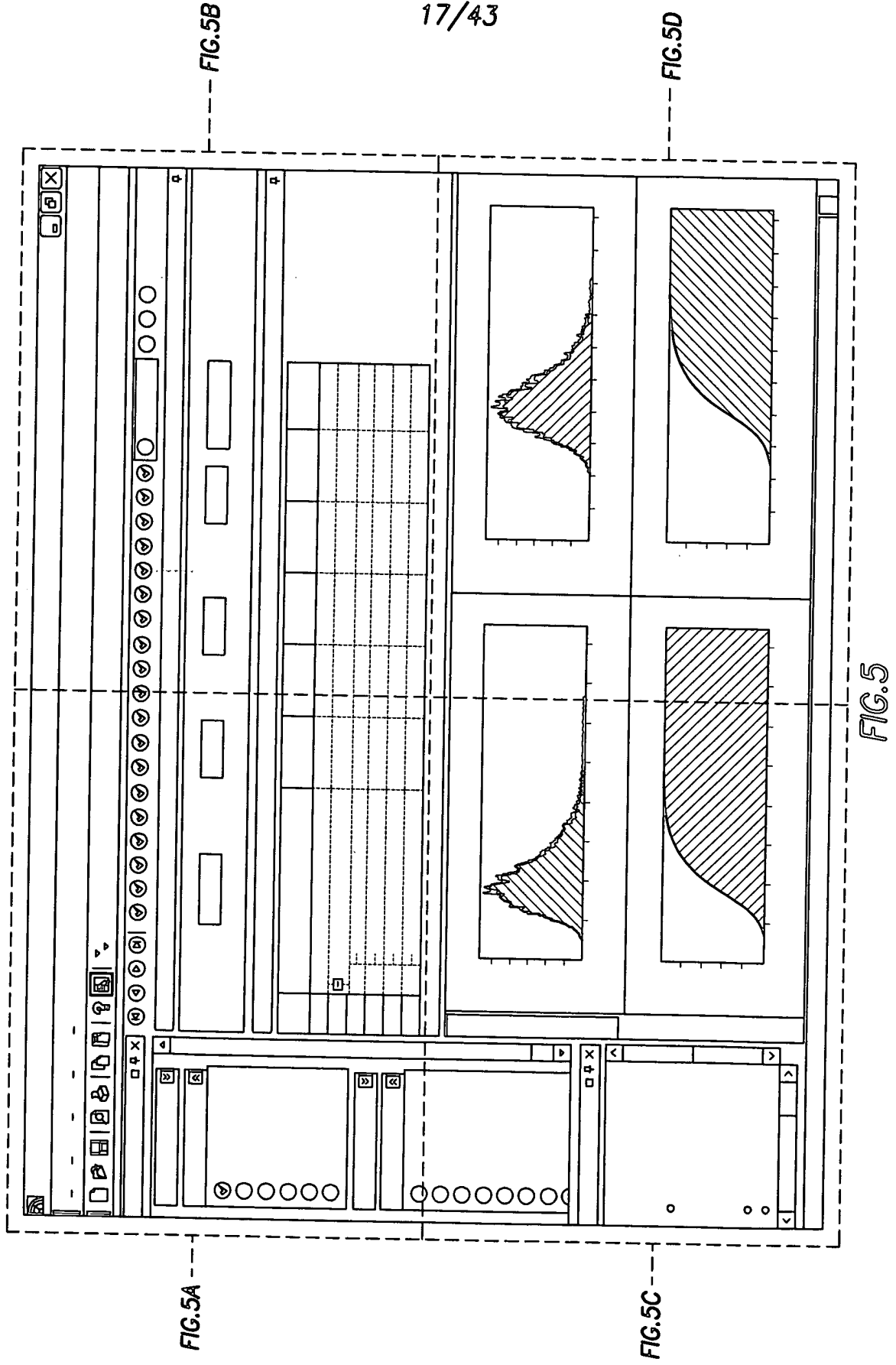


FIG. 4D

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+



+



FIG. 5A

| | | | | |
|---|--|-----------------------------------|--|--|
| <div style="float: right; text-align: right;"> <input type="button" value="X"/> <input type="button" value="□"/> <input type="button" value="□"/> </div> | | | | |
| | | | | |
| | | | | |
| | | | | |
| <input checked="" type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> | | <input type="radio"/> Monte Carlo | | |
| | | | | |
| | | | | |
| P% Time | | End P% Time | | |
| <input type="text" value="50"/> | | <input type="text" value="90"/> | <input type="button" value="Recompute"/> | |
| | | | | |
| | | | | |
| ♀ | | | | |

| Mid P% Time | End P% Time | First P% Cost | Mid P% Cost | End P% Cost |
|-------------|-------------|---------------|-------------|-------------|
| day | day | K\$ | K\$ | K\$ |
| 39.6 | 63.99 | 1,638 | 2,132 | 2,804 |
| 1.33 | 2.77 | 15 | 30 | 57 |
| 35.9 | 56.76 | 1,585 | 2,035 | 2,634 |
| 1.17 | 1.95 | 24 | 40 | 61 |
| 1.2 | 2.51 | 14 | 27 | 52 |

FIG. 5B

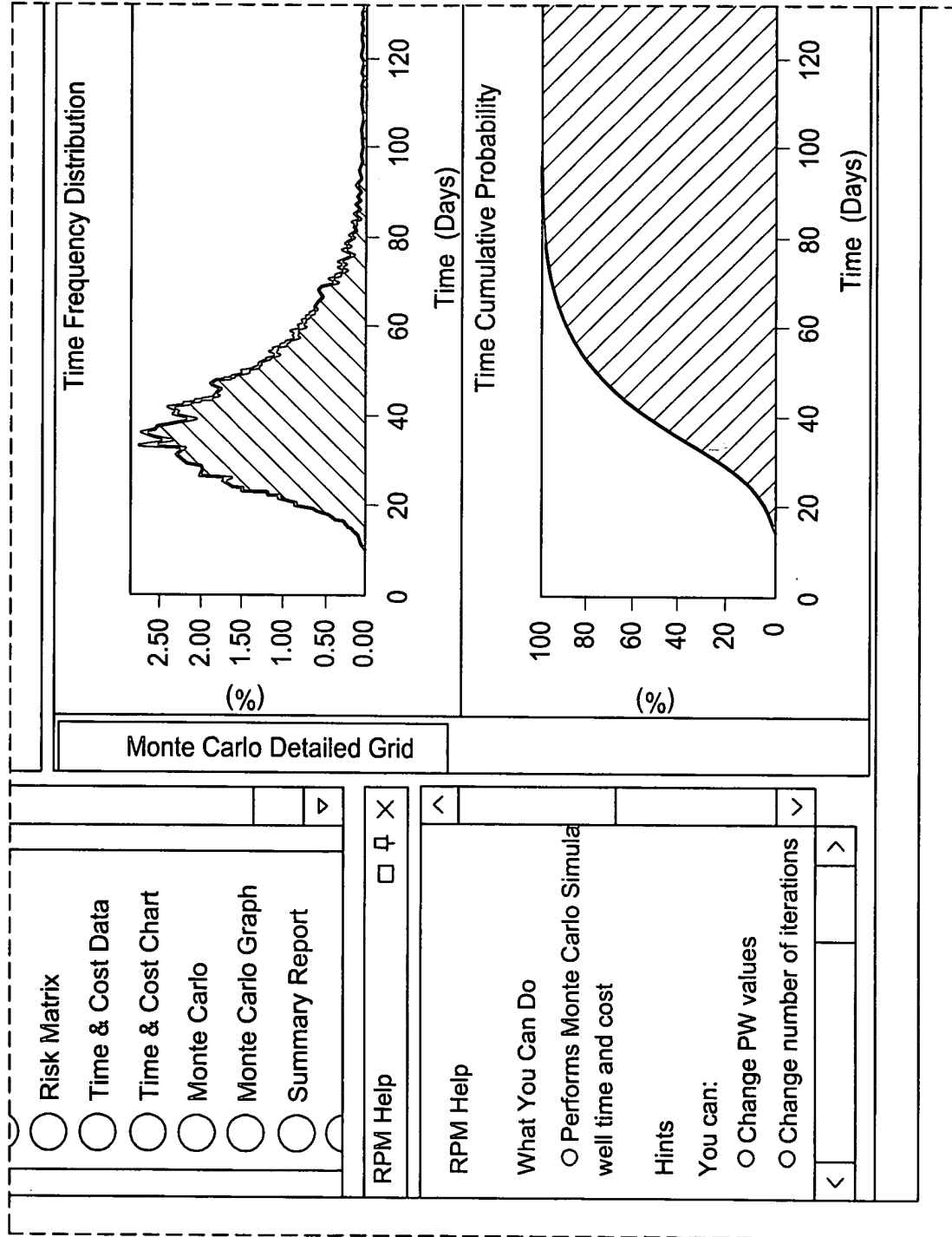


FIG.5C

+

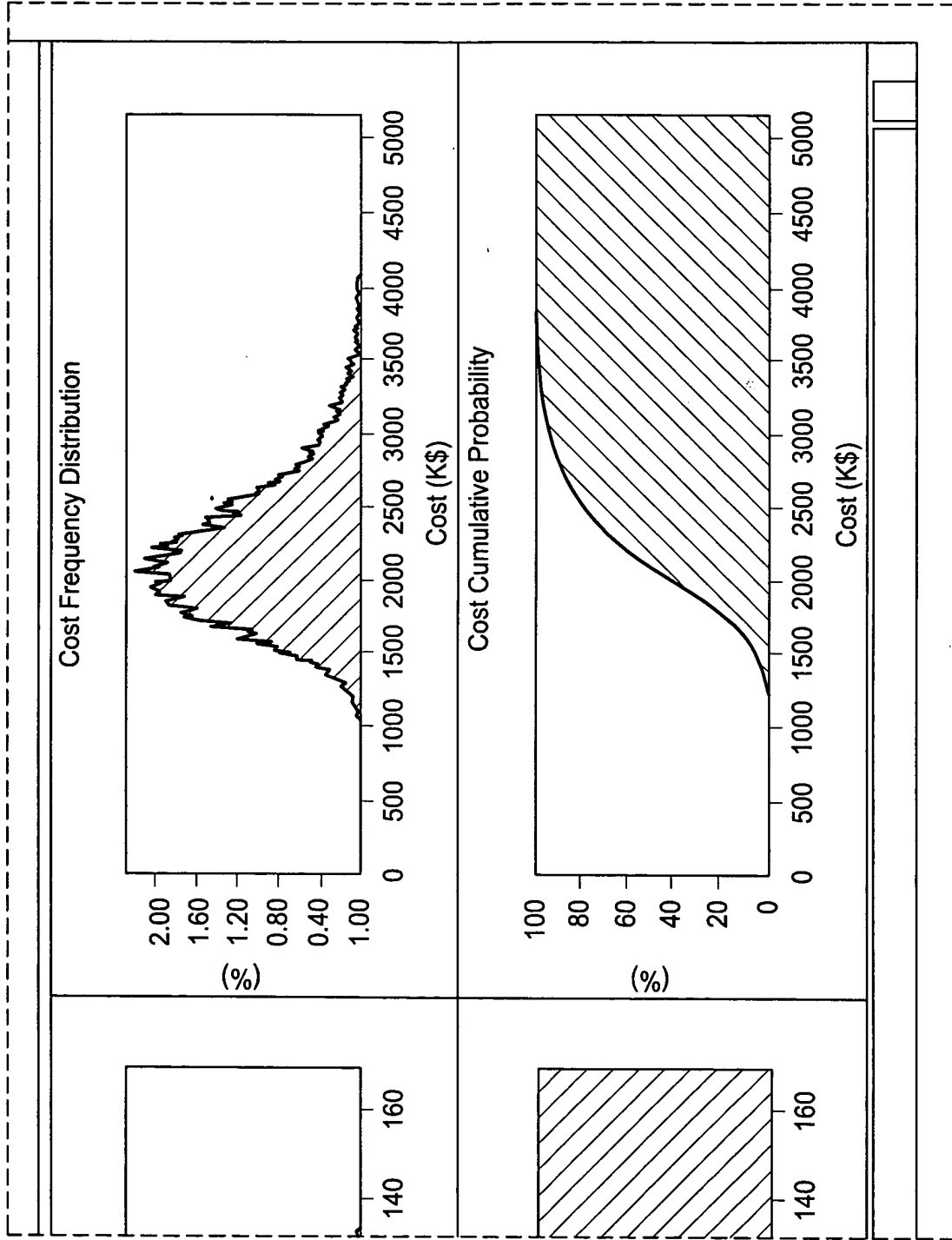


FIG.5D

+

+

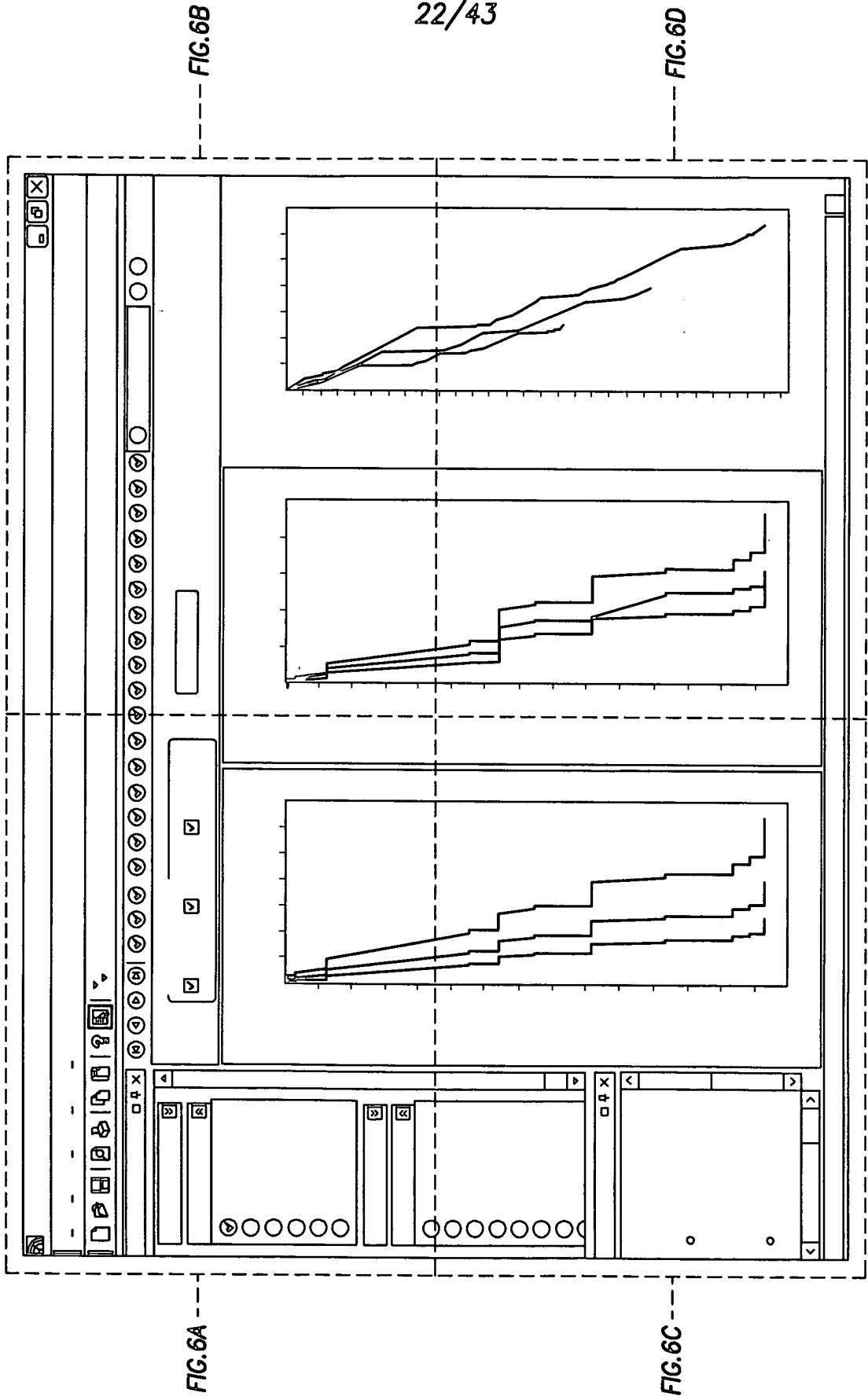


FIG. 6

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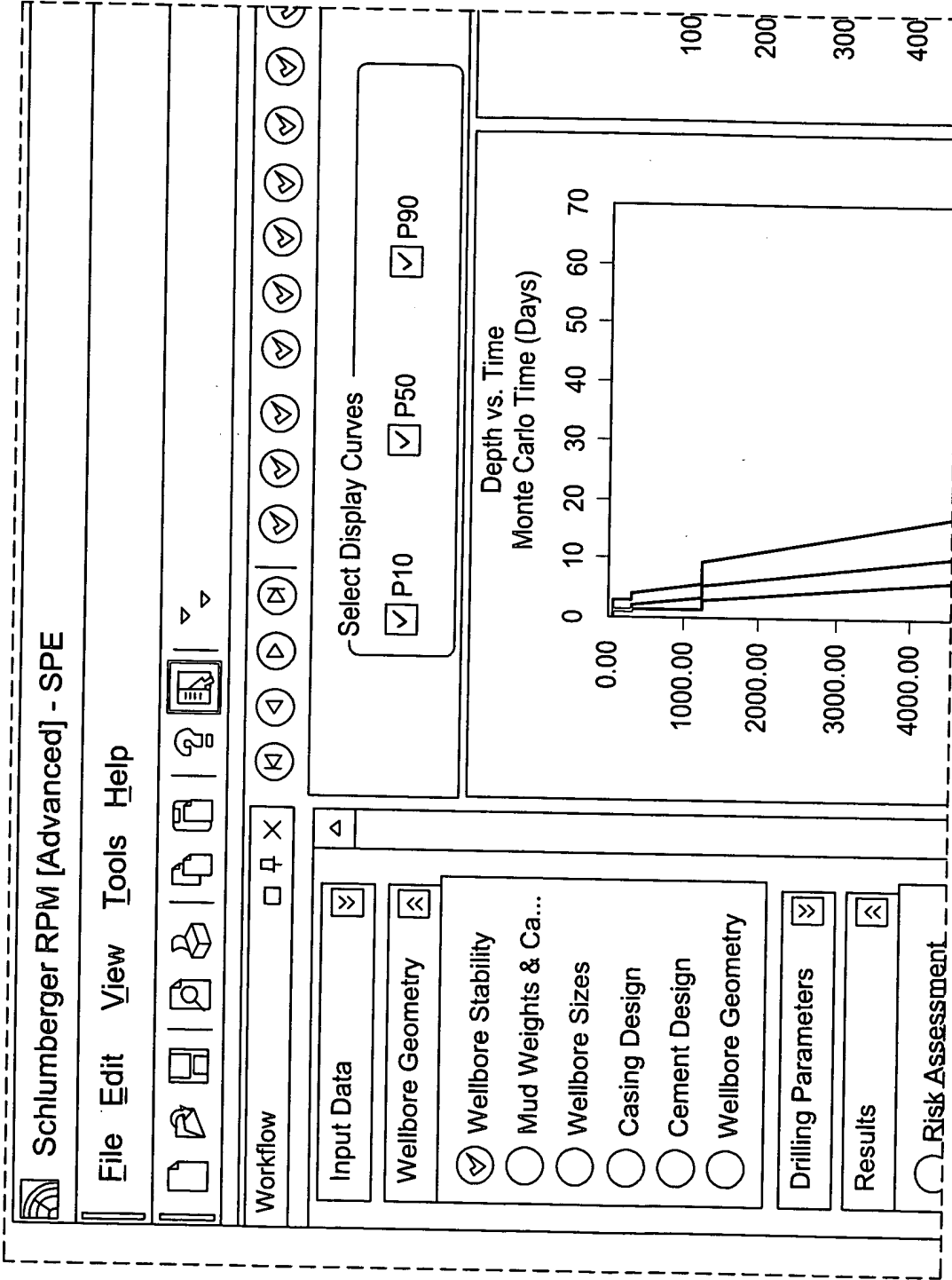


FIG. 6A

+

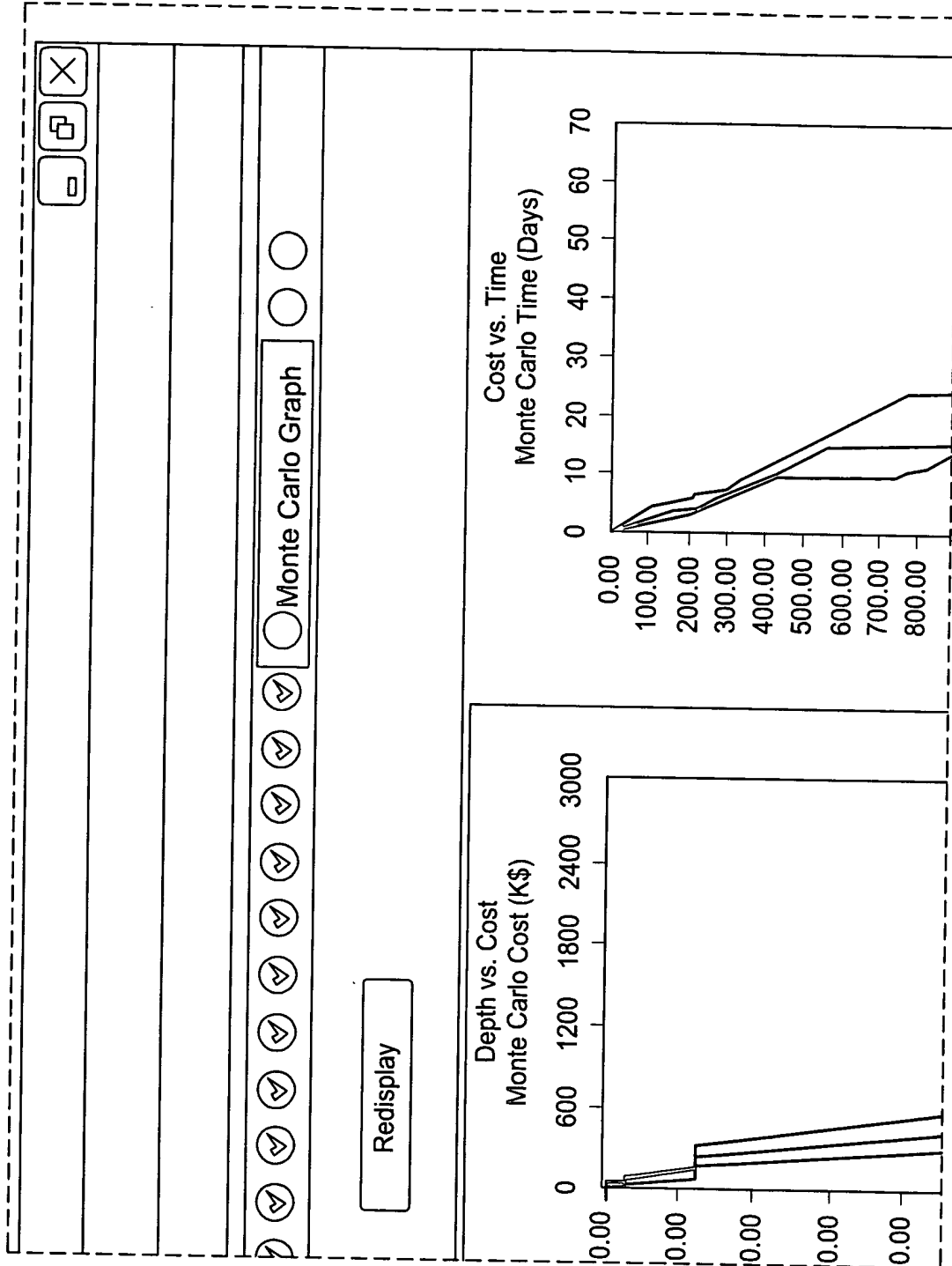


FIG.6B

+

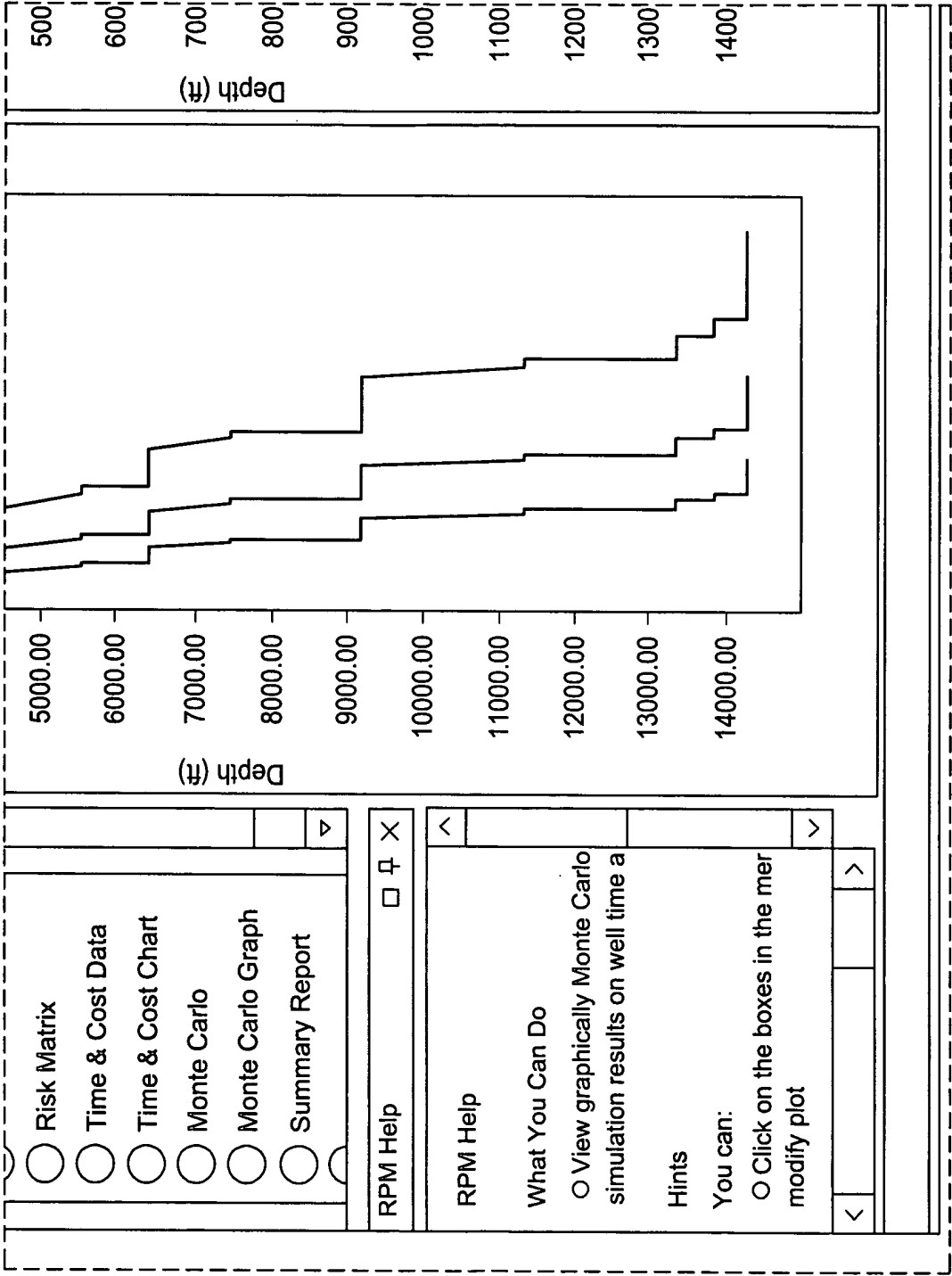


FIG. 6C

+

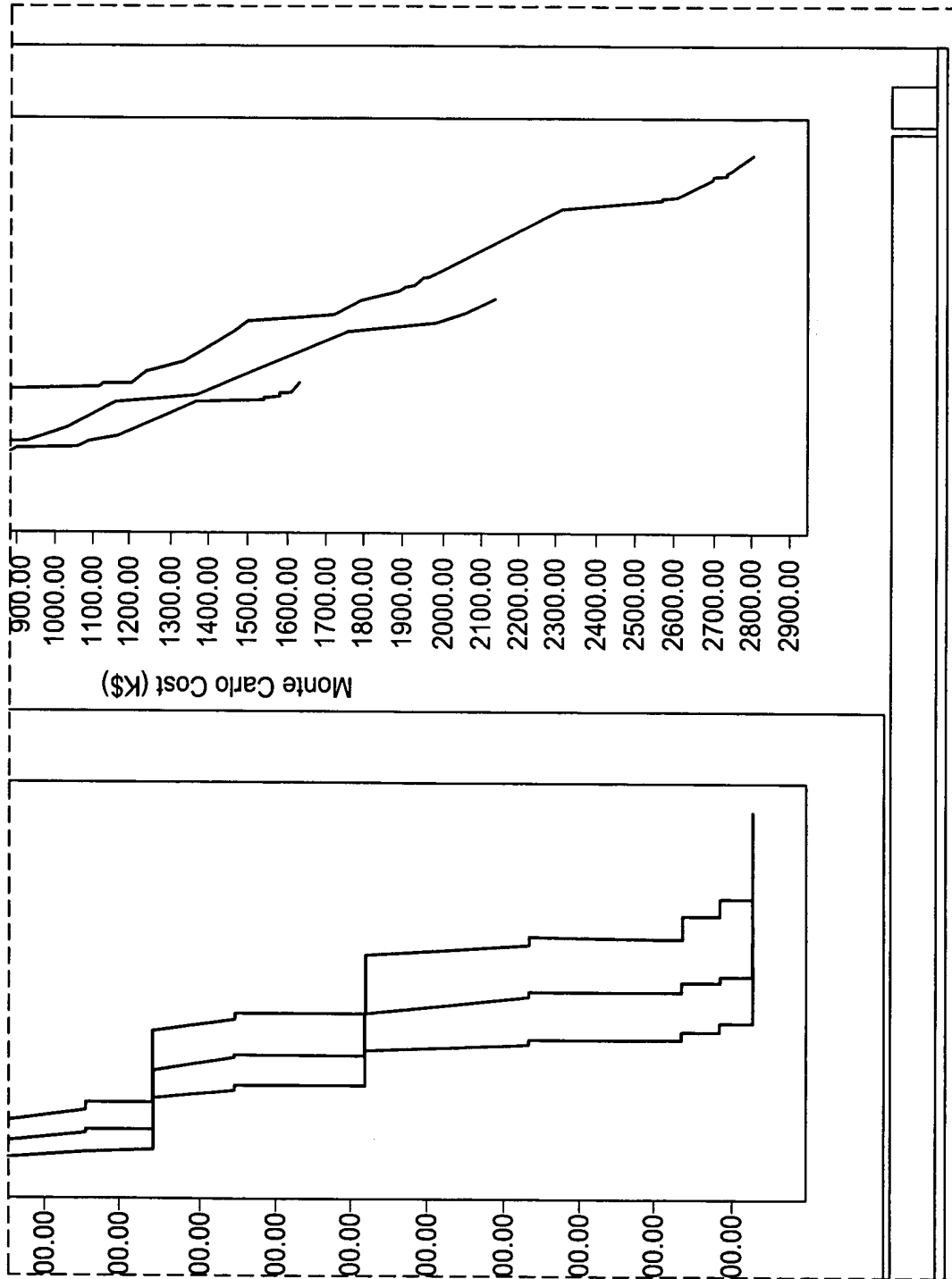


FIG. 6D

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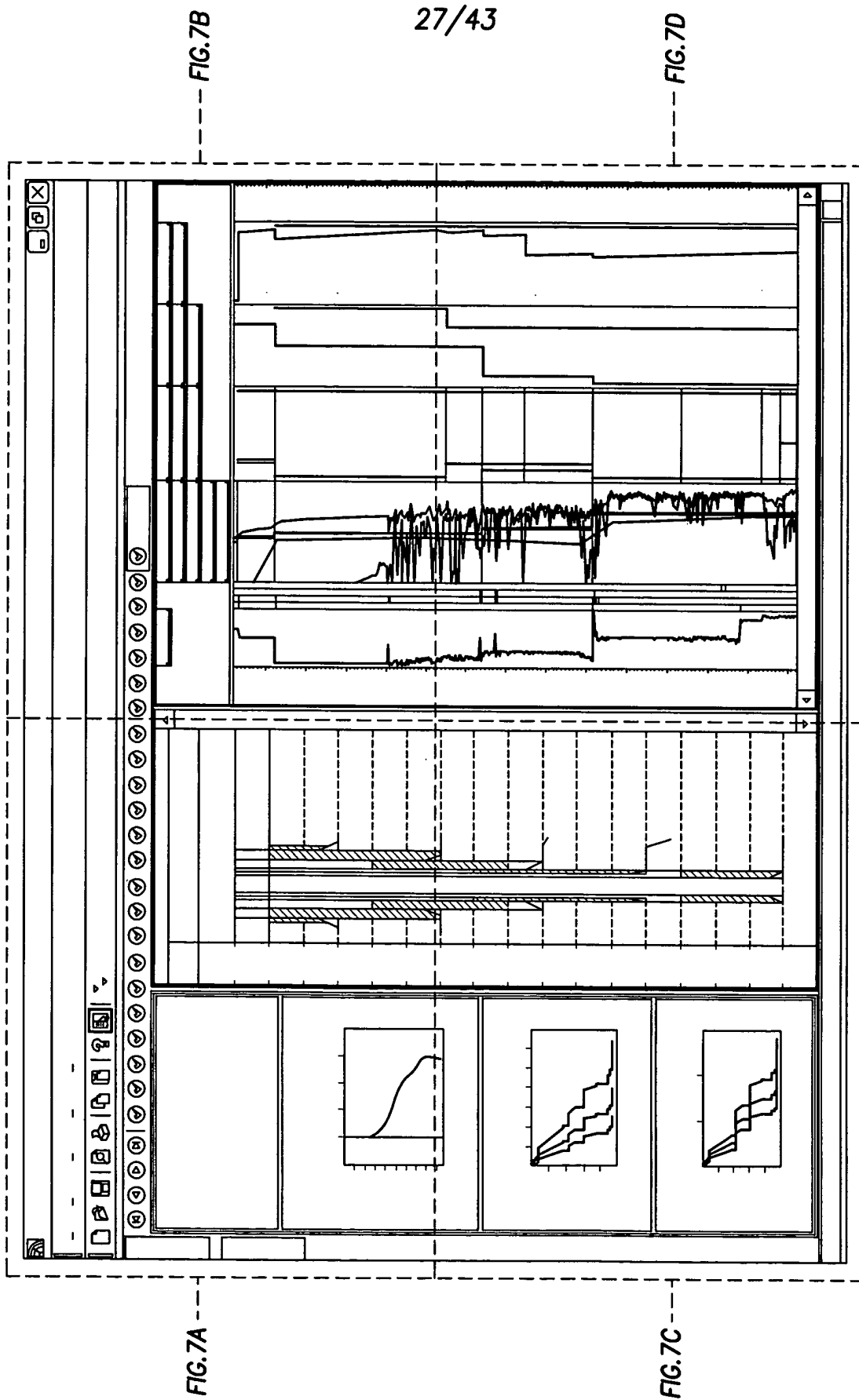


FIG. 7

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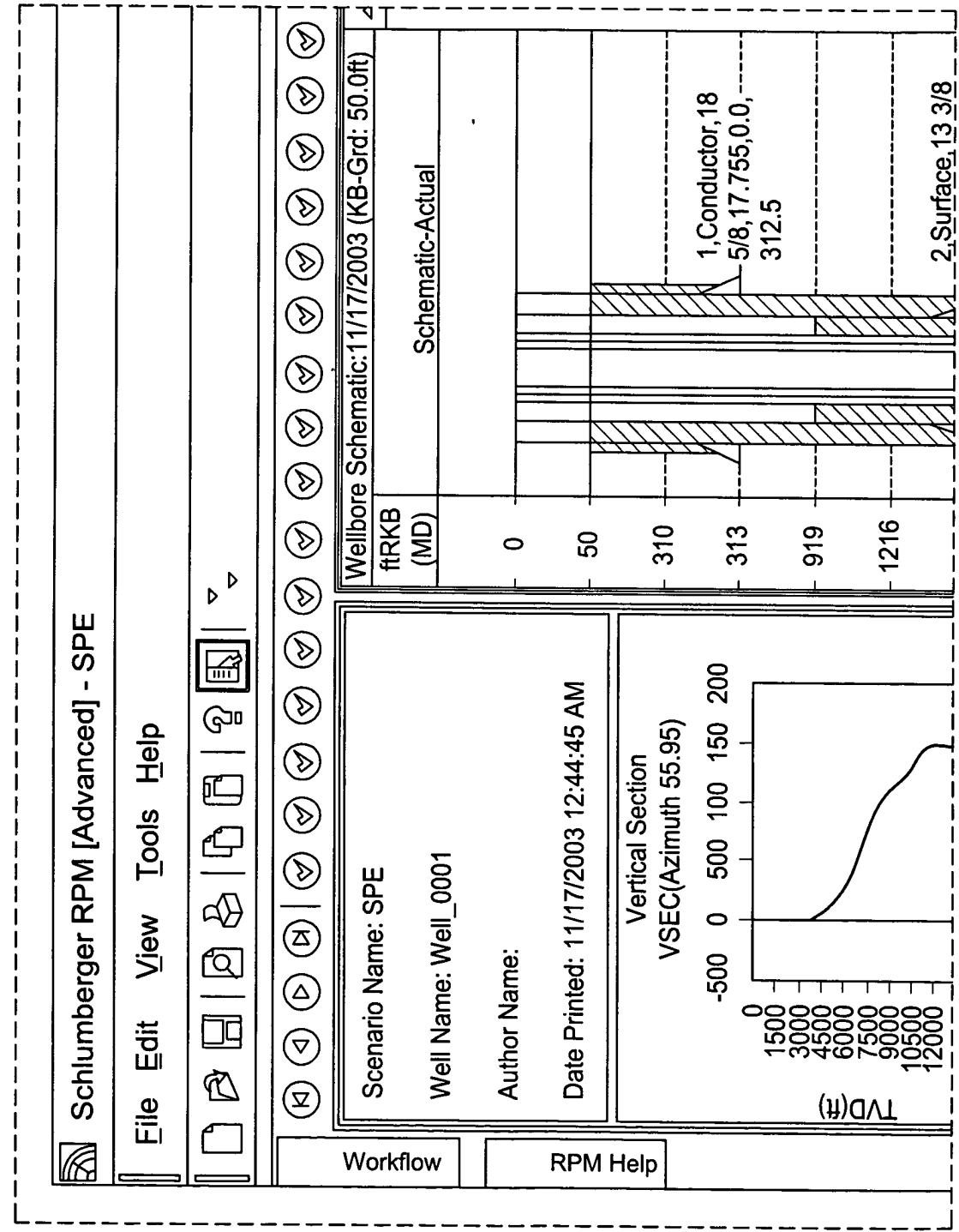


FIG.7A

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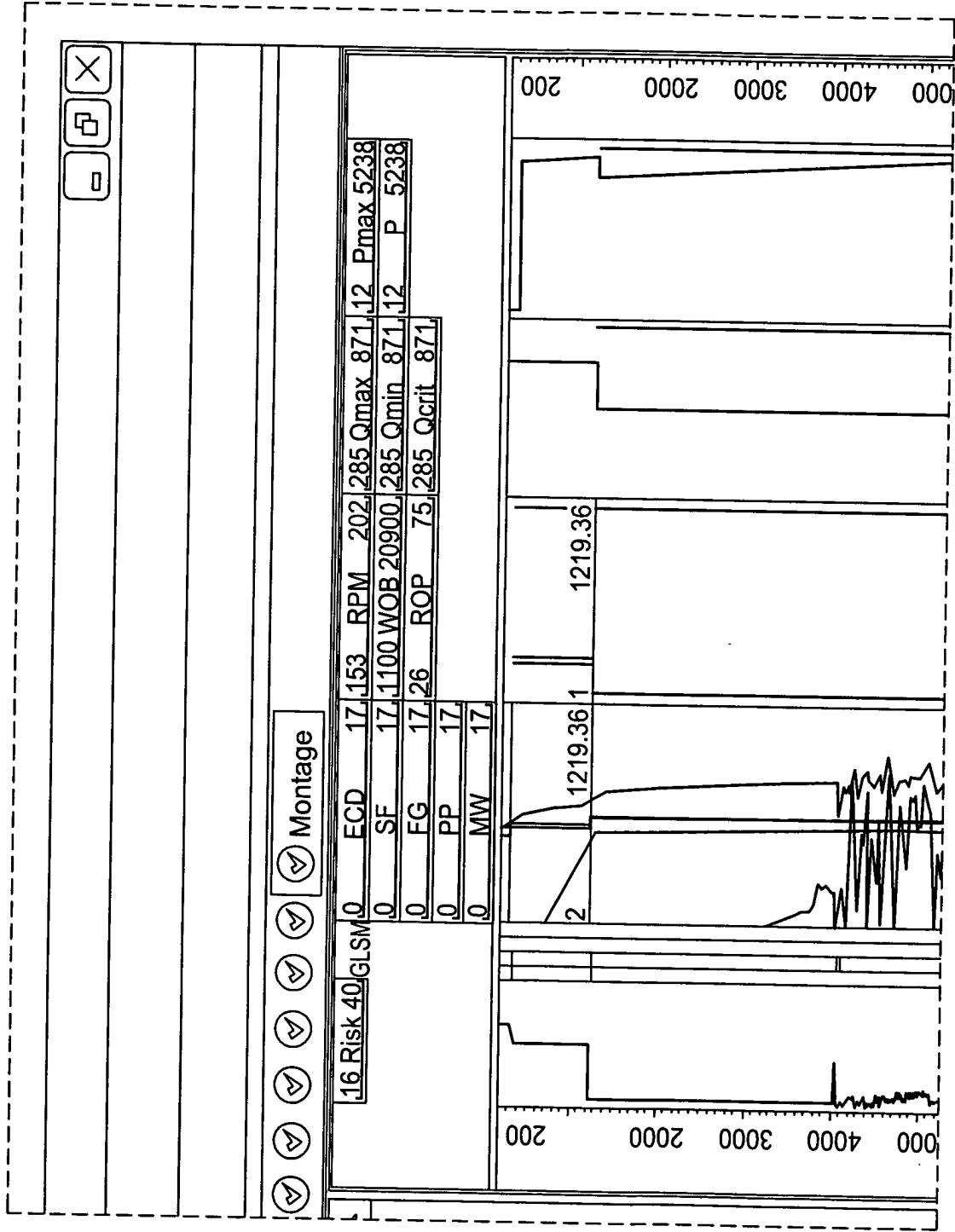


FIG.7B

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+

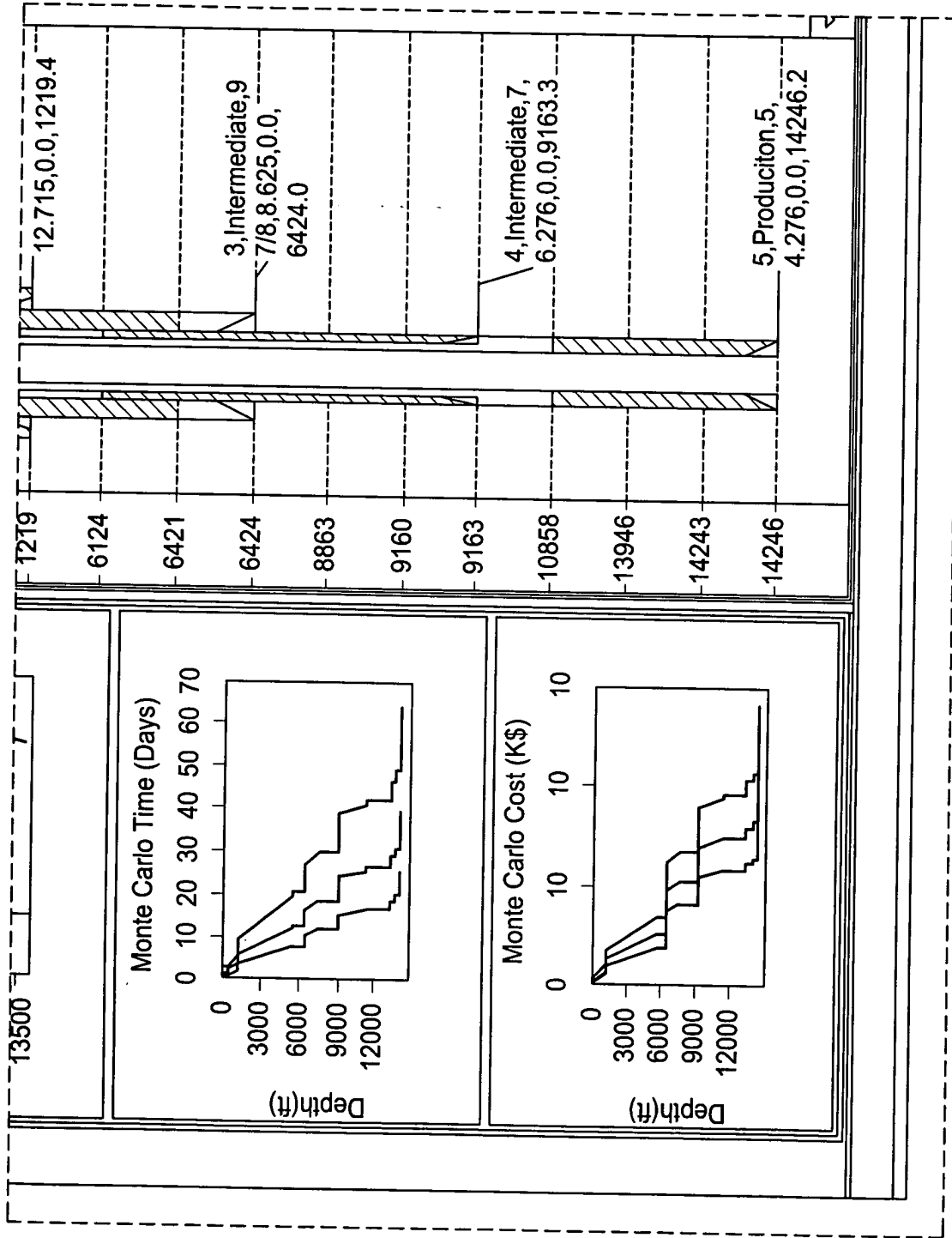


FIG. 7C

+

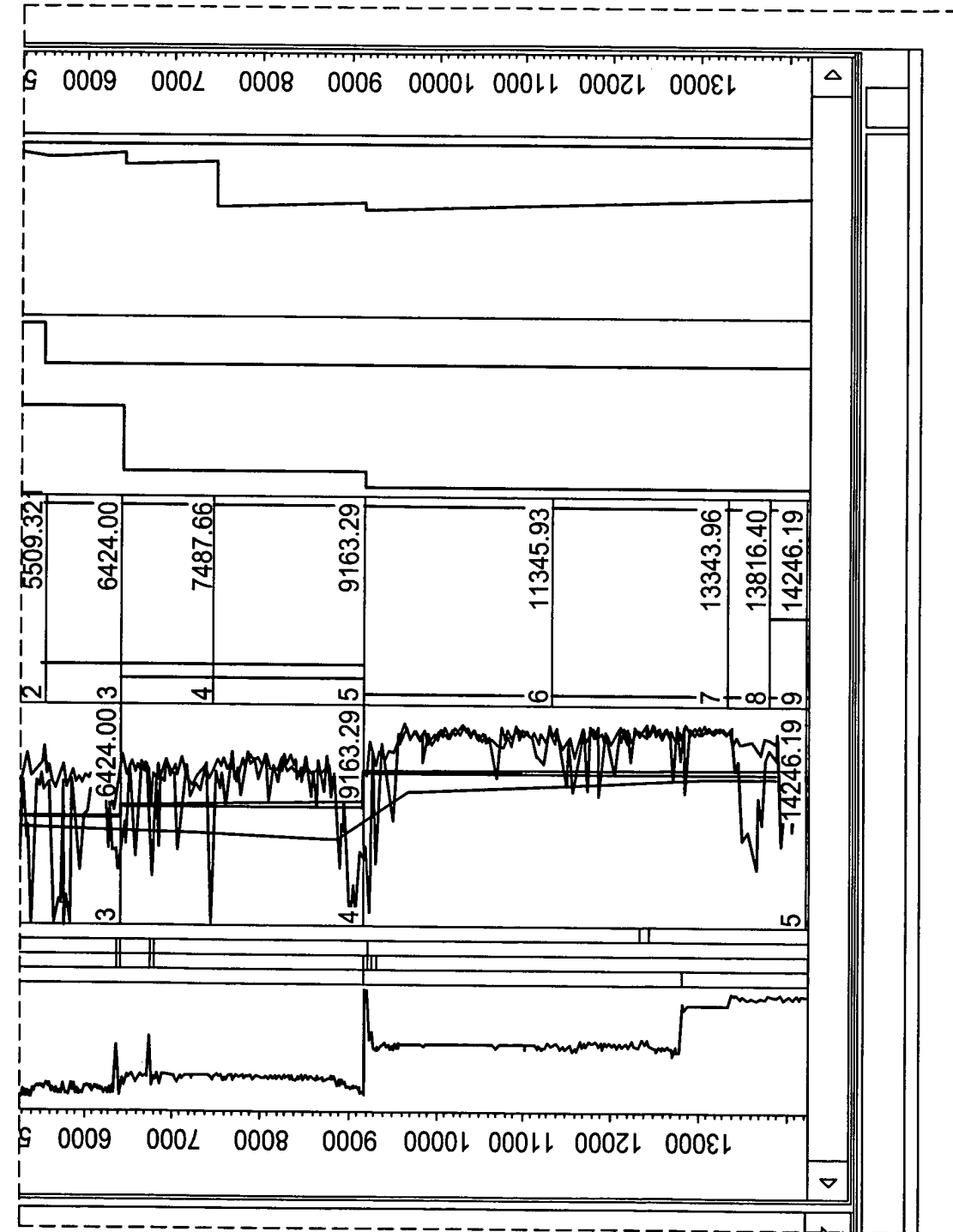
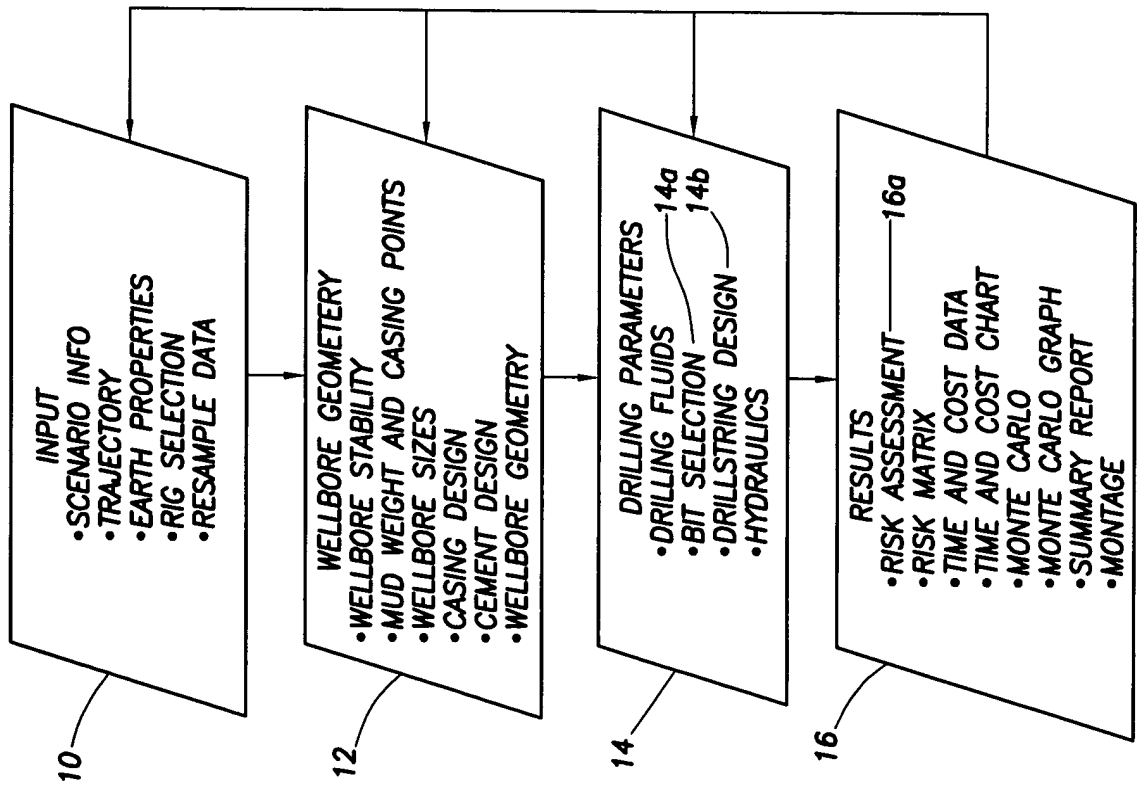


FIG.7D

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FIG.8



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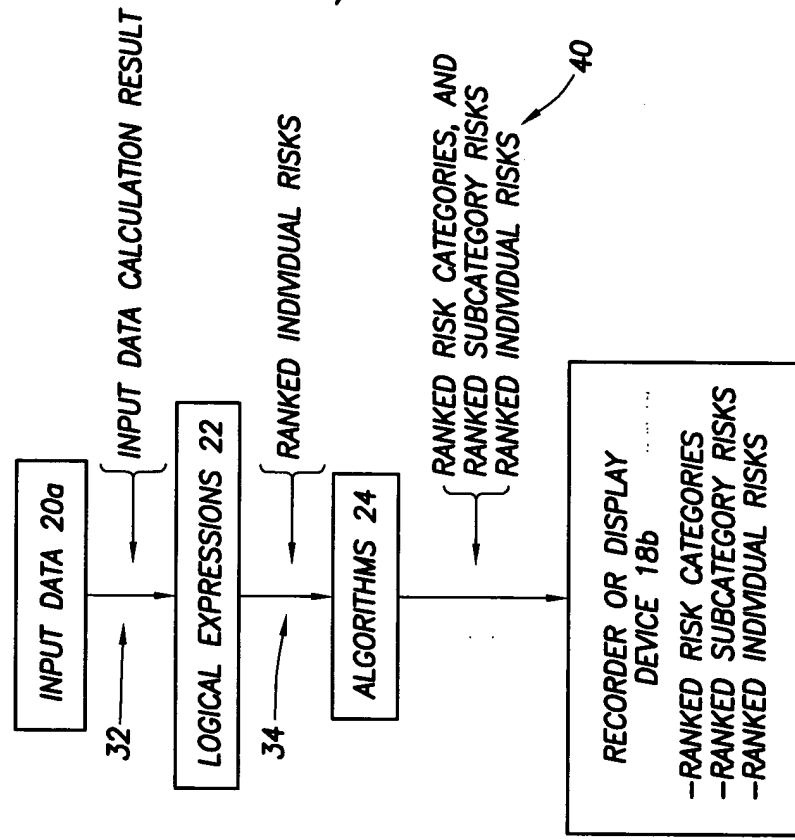


FIG.11

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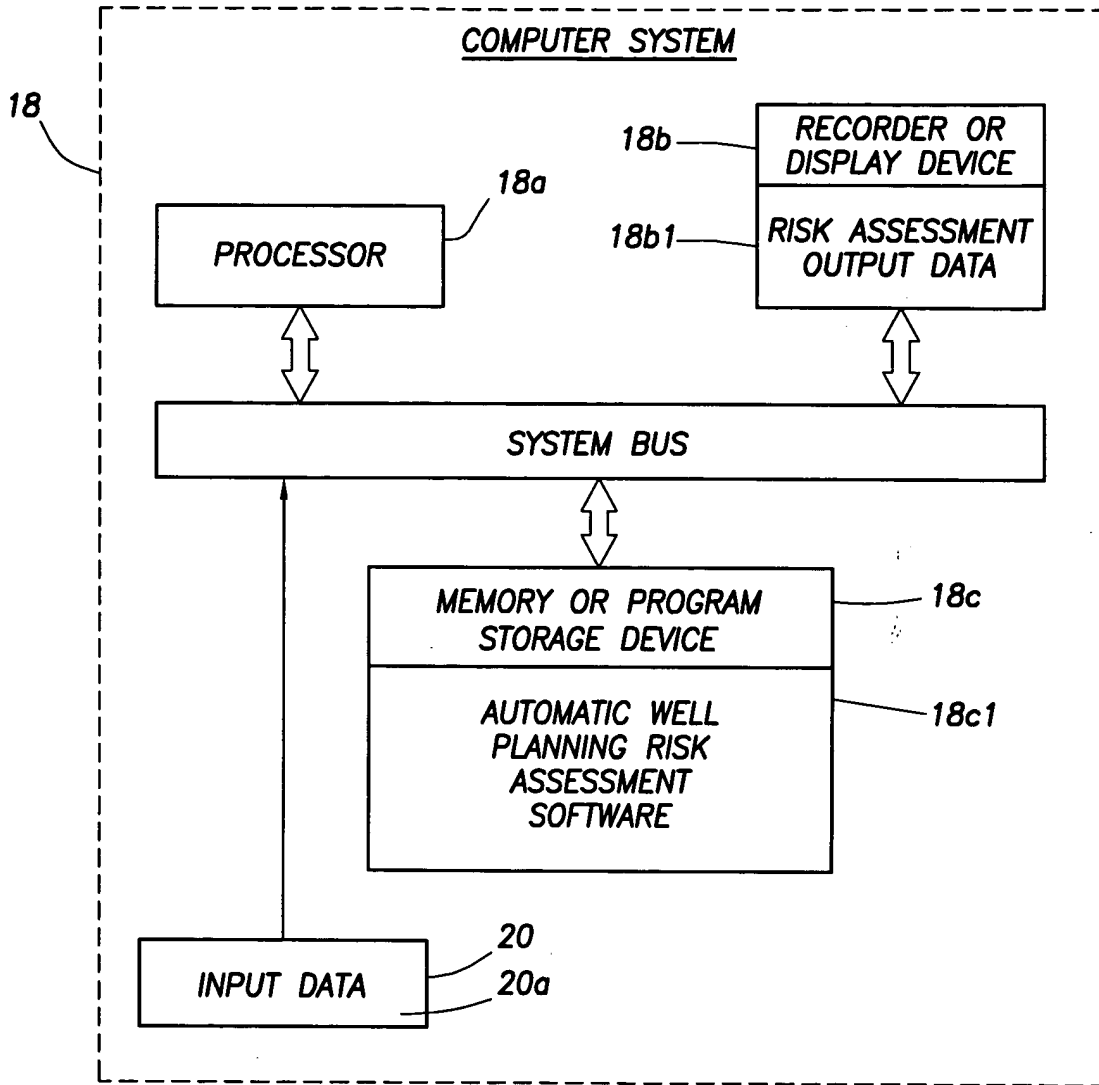


FIG.9A

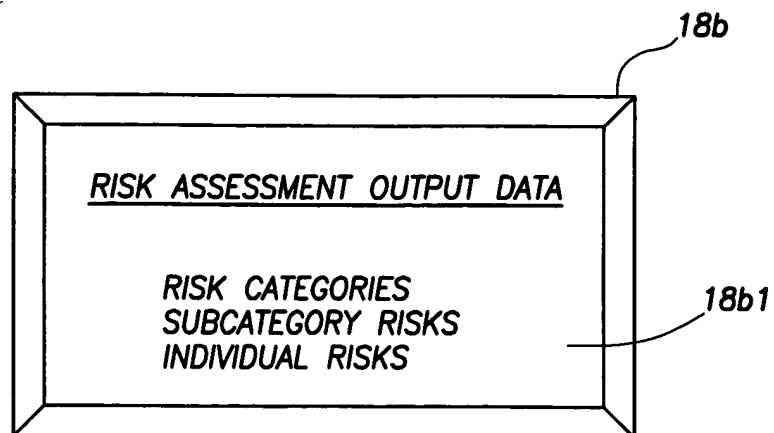


FIG.9B

+

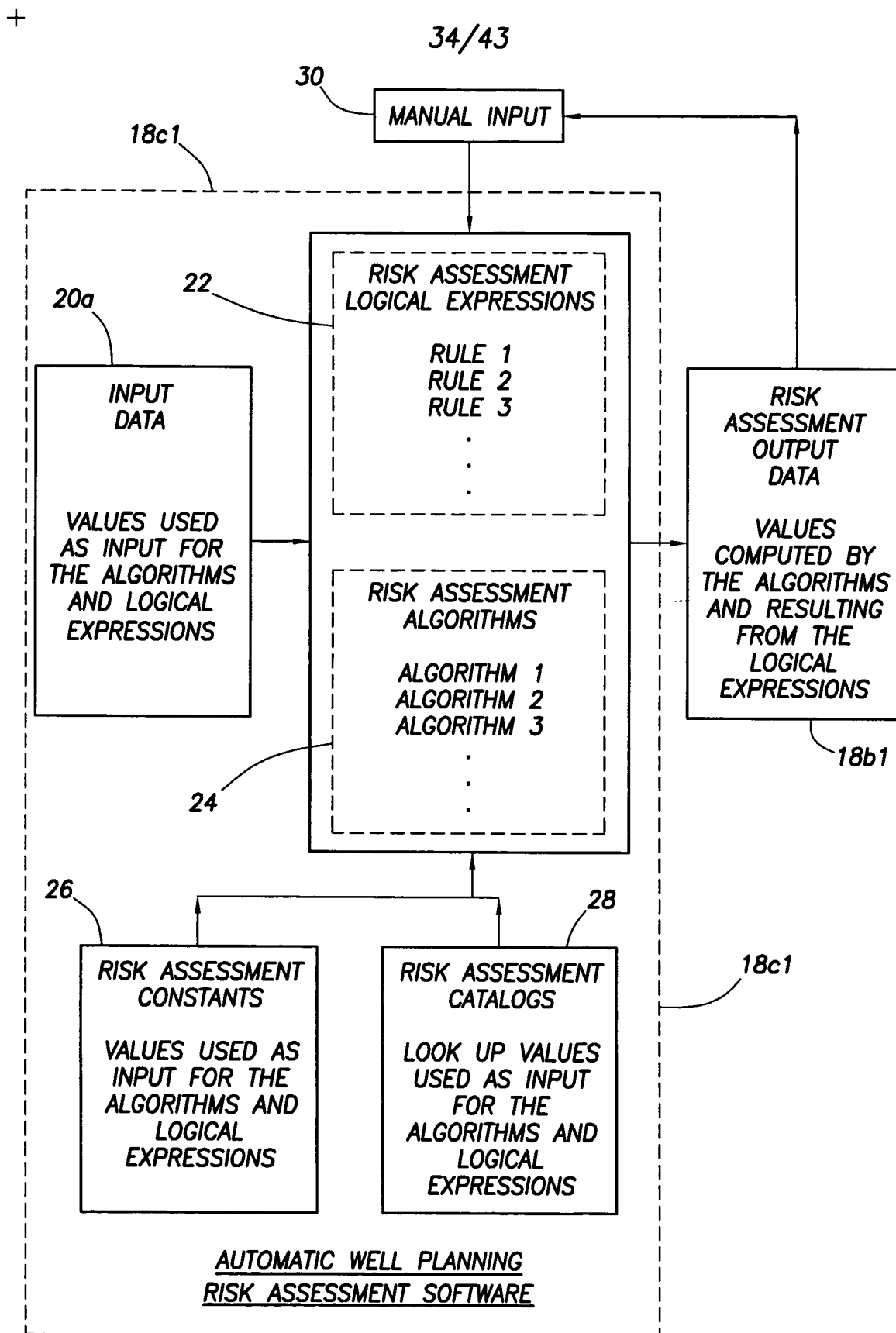


FIG.10

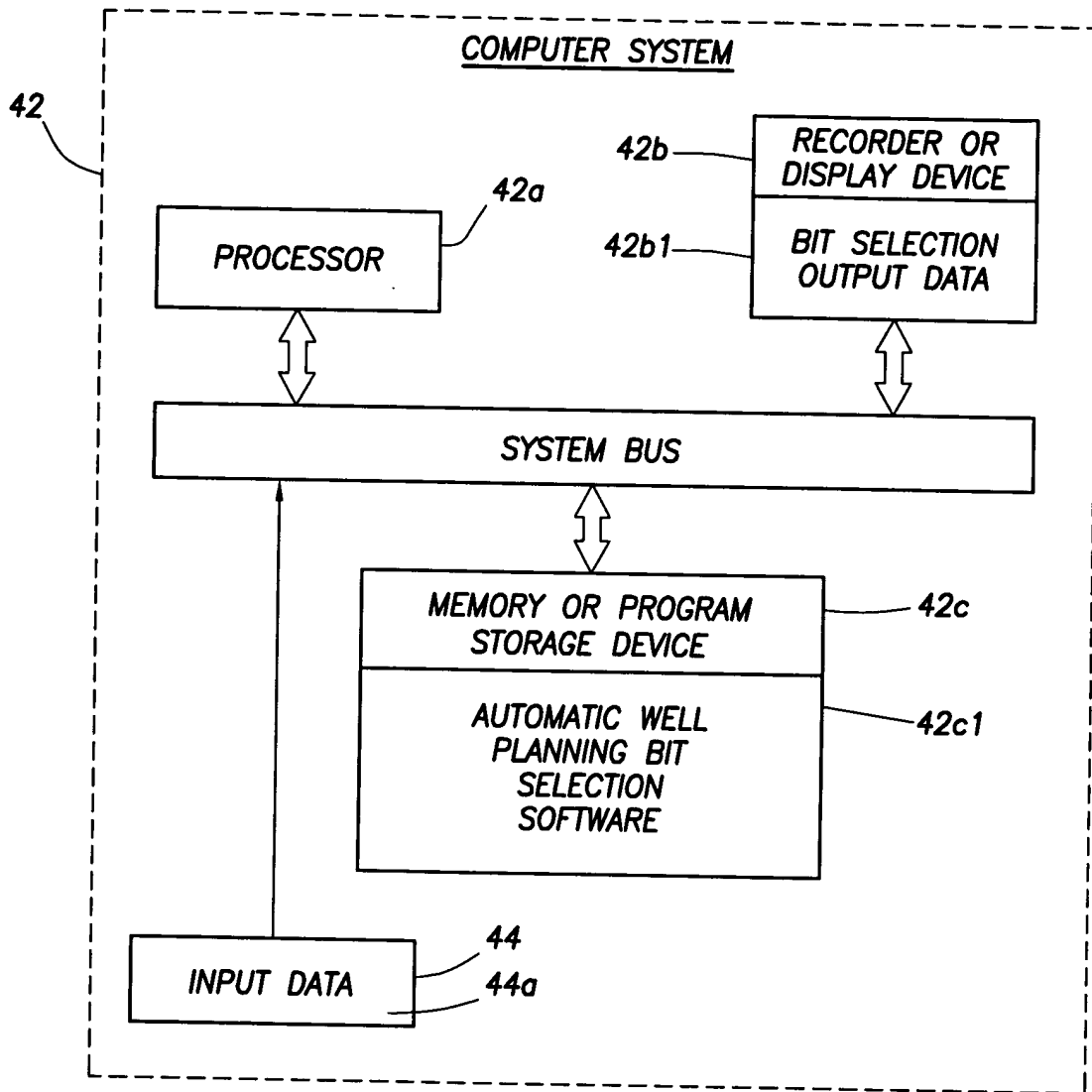


FIG.12

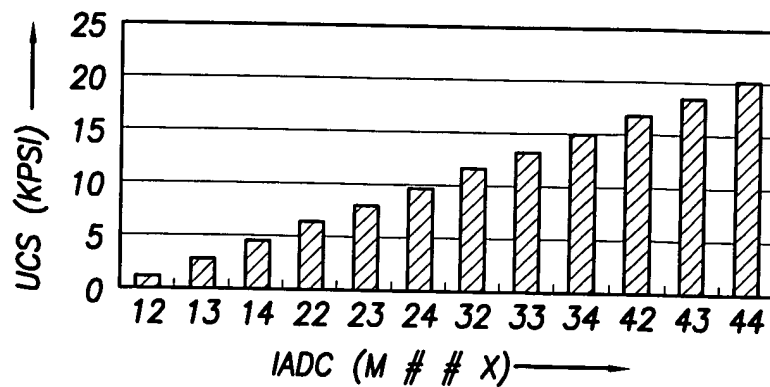


FIG.16

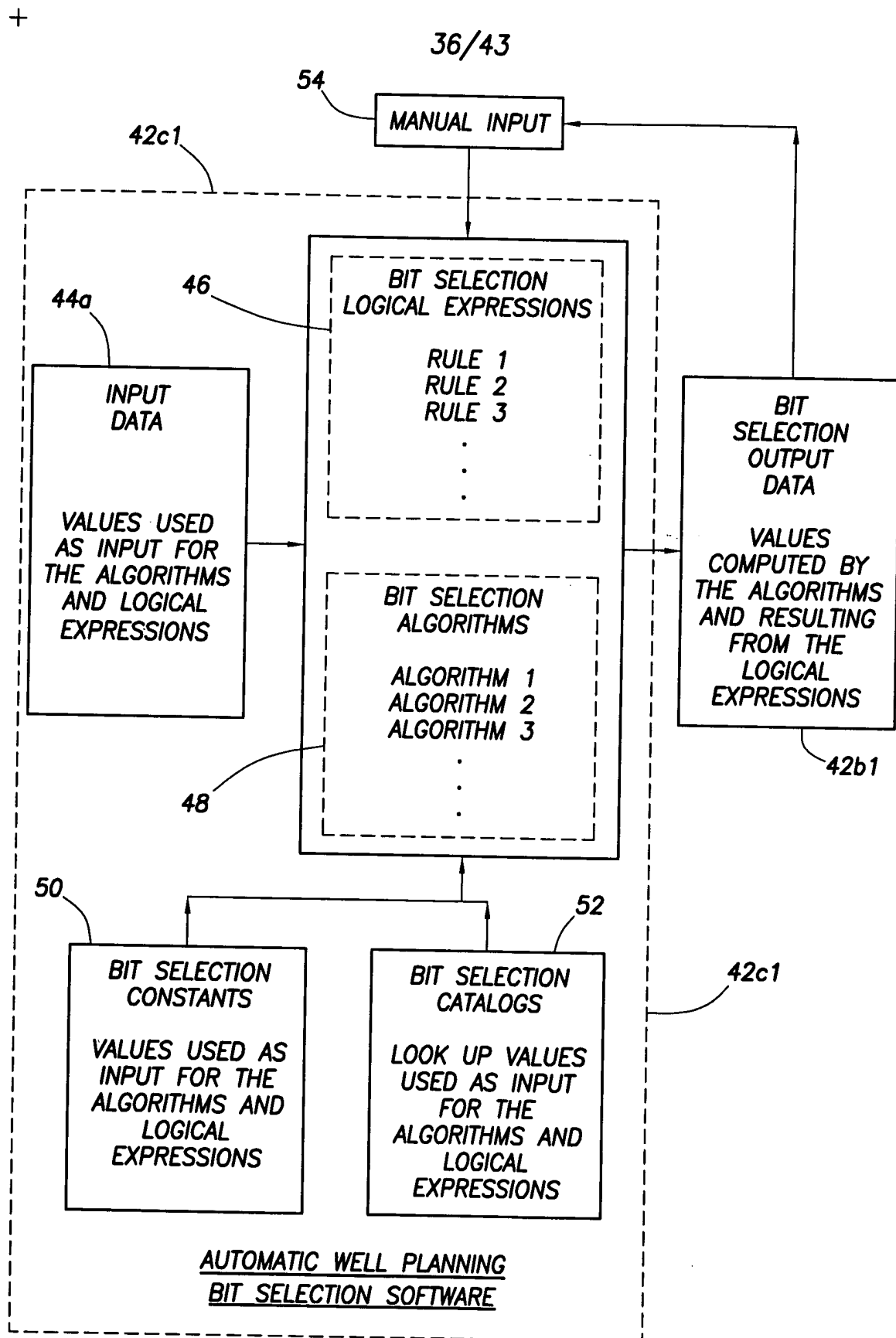


FIG.13

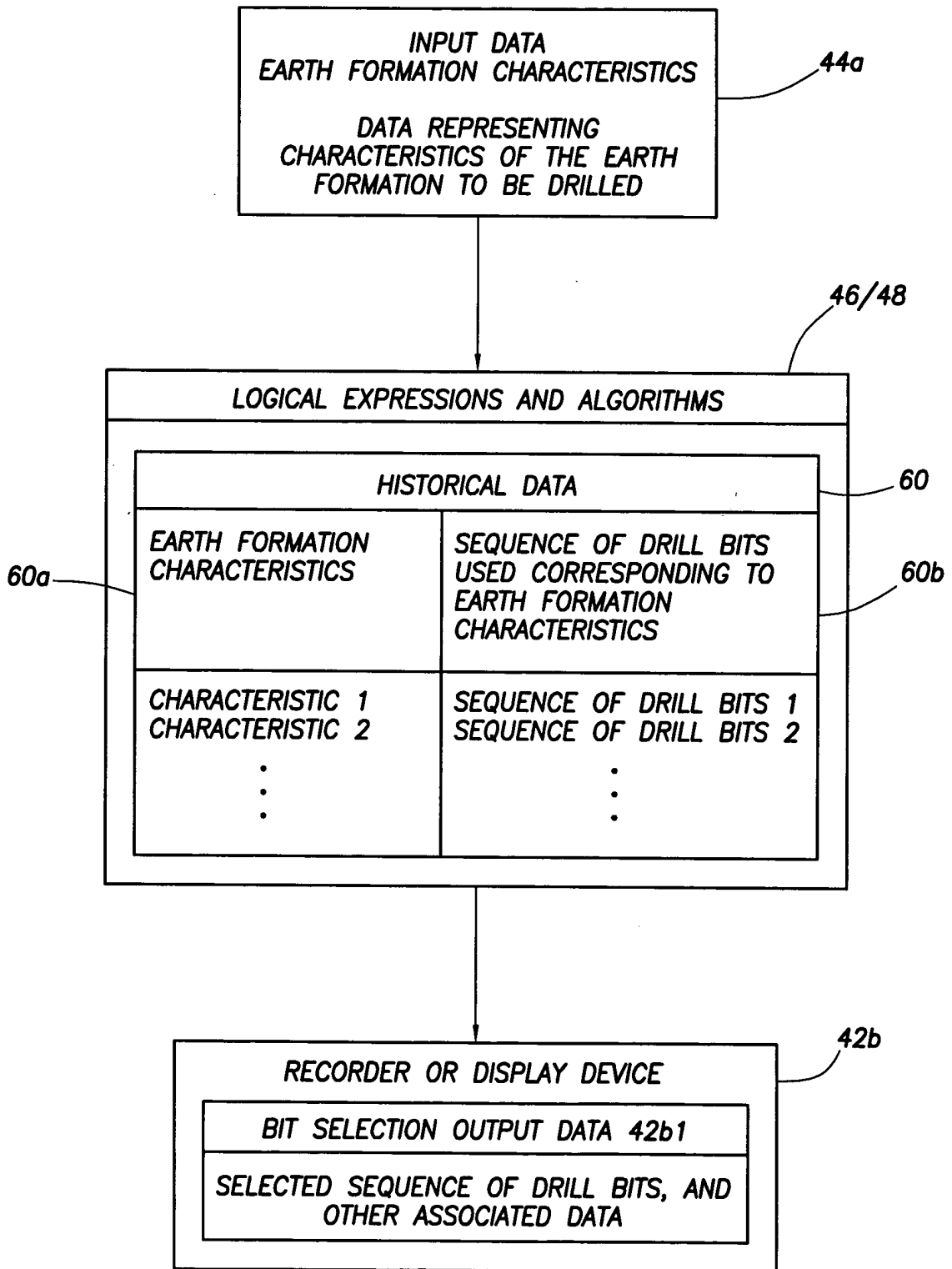


FIG. 14A

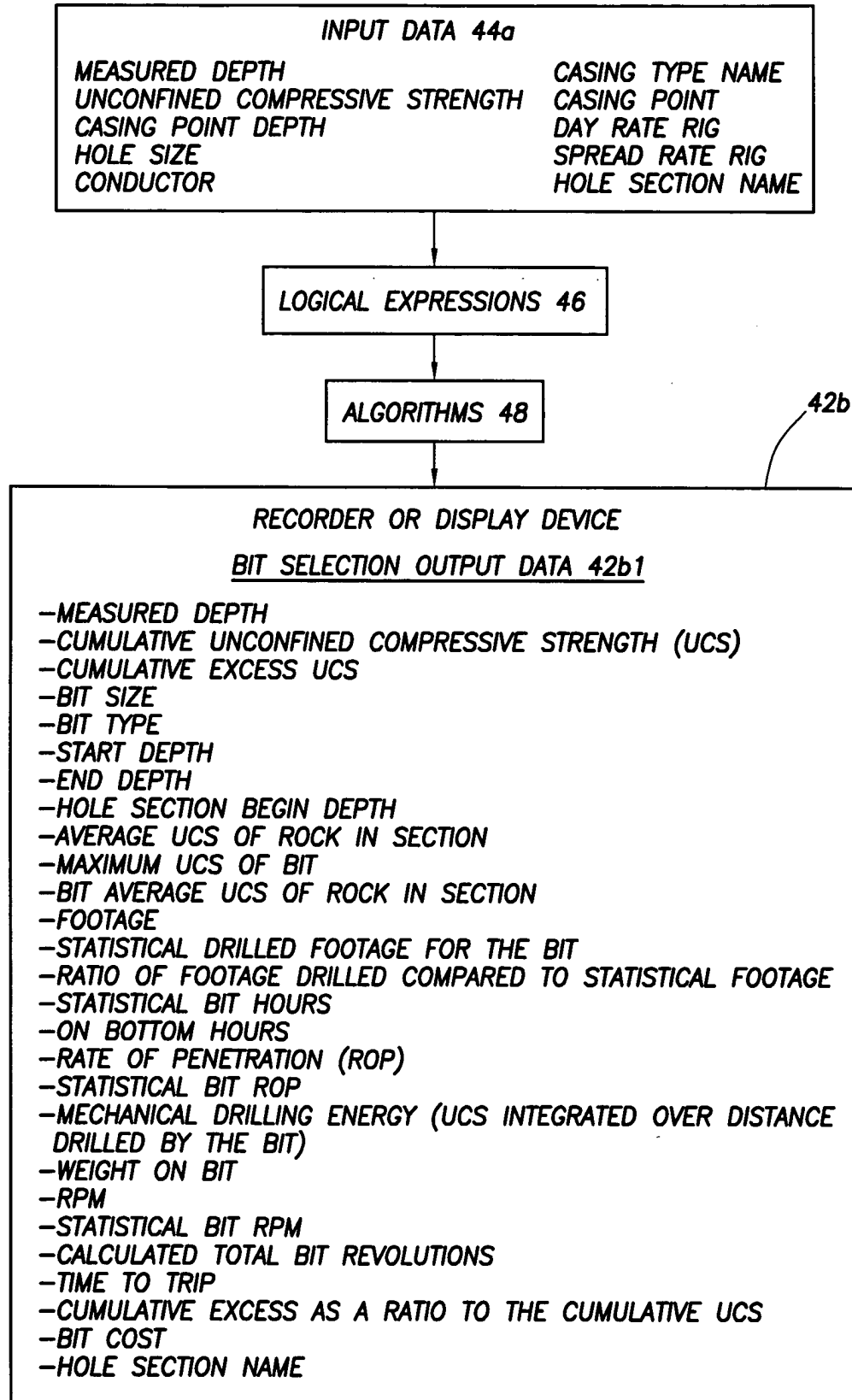


FIG.14B

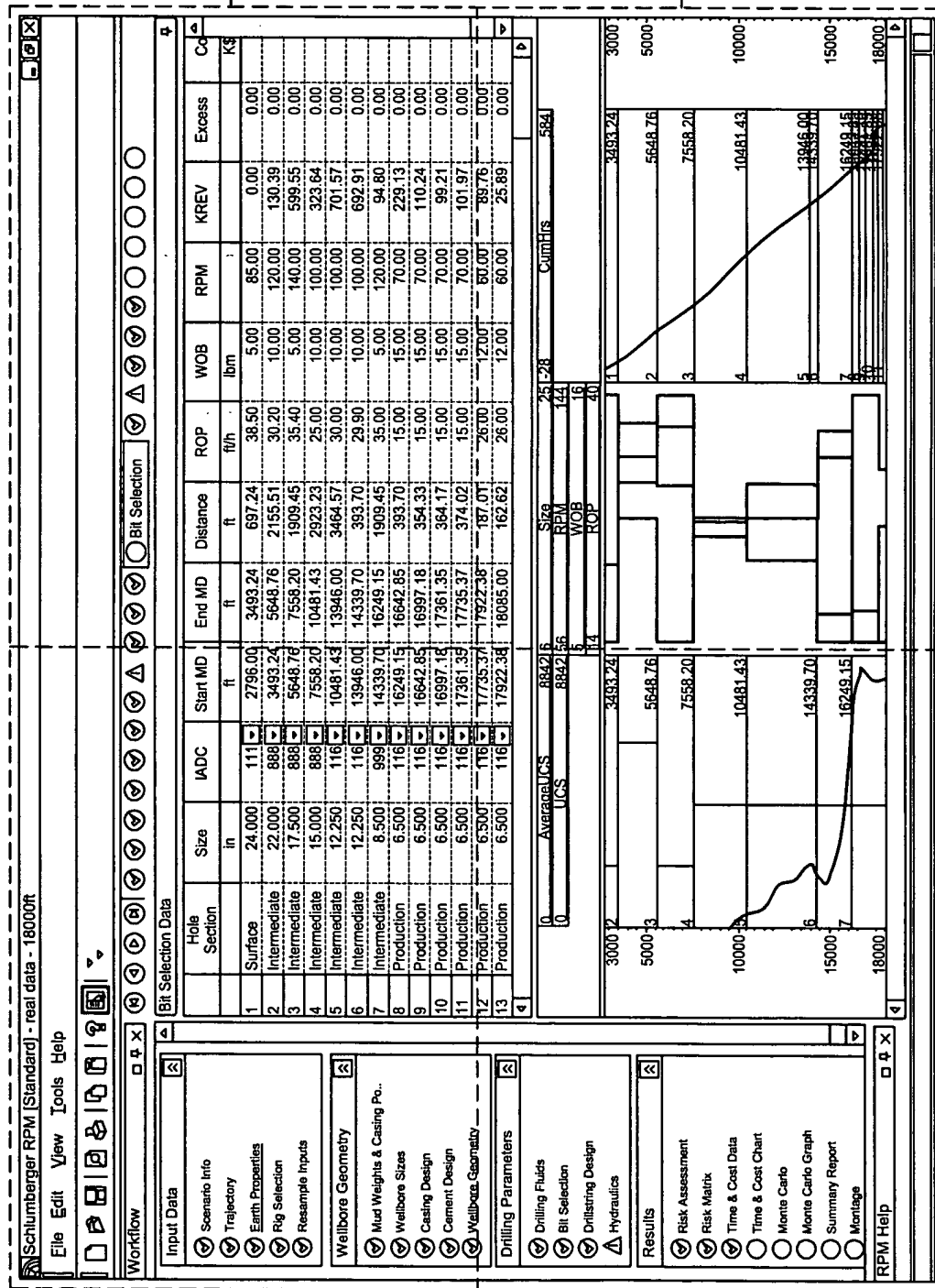


FIG. 15A

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FIG. 15C

FIG. 15B

FIG. 15

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Schlumberger RPM [Standard] - real data - 18000ft

File Edit View Tools Help

Workflow

Input Data

☒ Scenario Info

☒ Trajectory

☒ Earth Properties

☒ Rig Selection

☒ Resample Inputs

Wellbore Geometry

☒ Mud Weights & Casing Po..

☒ Wellbore Sizes

☒ Casing Design

☒ Cement Design

☒ Wellbore Geometry

Bit Selection Data

| | Hole Section | Size in | IADC | Start MD ft |
|----|--------------|---------|-------|-------------|
| 1 | Surface | 24.000 | 111 ▾ | 2796.00 |
| 2 | Intermediate | 22.000 | 888 ▾ | 3493.24 |
| 3 | Intermediate | 17.500 | 888 ▾ | 5648.76 |
| 4 | Intermediate | 15.000 | 888 ▾ | 7558.20 |
| 5 | Intermediate | 12.250 | 116 ▾ | 10481.43 |
| 6 | Intermediate | 12.250 | 116 ▾ | 13946.00 |
| 7 | Intermediate | 8.500 | 999 ▾ | 14339.70 |
| 8 | Production | 6.500 | 116 ▾ | 16249.15 |
| 9 | Production | 6.500 | 116 ▾ | 16642.85 |
| 10 | Production | 6.500 | 116 ▾ | 16997.18 |
| 11 | Production | 6.500 | 116 ▾ | 17361.35 |

FIG. 15A

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Drilling Parameters

☒ Drilling Fluids

☒ Bit Selection

☒ Drilling Design

☐ Hydraulics

Results

☒ Risk Assessment

☒ Risk Matrix

☒ Time & Cost Data

☐ Time & Cost Chart

☐ Monte Carlo

☐ Monte Carlo Graph

☐ Summary Report

☐ Montage

RPM Help

☐ ☐ ☐ ☐

12

Production

6.500

116

17735.37

13

Production

6.500

116

17922.38

4

Average UCS

8842

UCS

8842

3000

2

3493.24

5000

3

5648.76

10000

5

10481.43

15000

6

14339.70

18000

7

16249.15

4

FIG. 15C

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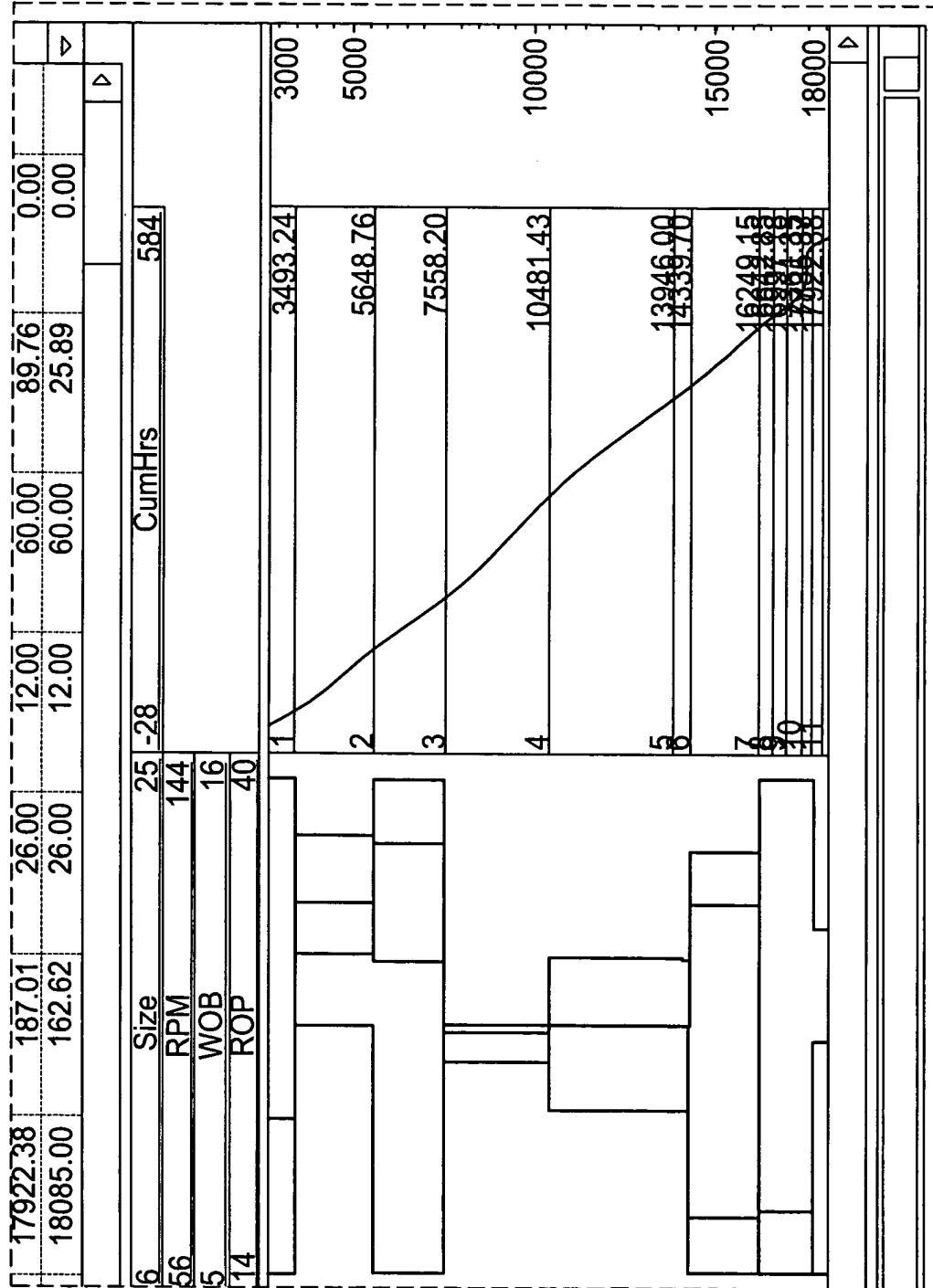


FIG.15D

+